## POLYMORPHISMS IN THE TNFRSF1A GENE

CGGACATAGC	CAGATGTATT	ACGGATGACT	GCAGTCAGCT	CCCCCAGGCT	
CCTGCTTCTC	TTGCCTCCTG	CTTTTTTCCC	CAGAGCTGTC	TCCTTATCTC	100
CATTCACTTG	TCTATGGGTT	ACTCCTGGAC	CCTGGGGTTA	GGAGTTGGAA	100
TCAGGCTGTT	AGCGATAAAA	GGGTTCAAGT	TGACTCATTT	TCCTTATCAG	200
GCTTAGTAGT	TGAAGTGACT	TGCTGAGCTT	CATAATTCTT	AGAGAACCTG	200
	AGCTCCCTTT	CTATGACTCA	CCCTGCCACC	CTGTGACACA	300
	ATGGCAGGTC	TGGGGCTAGA		TCTGGACTTG	300
	ACCCTTTGGG	TTAAGCATGT	GTGTGTGTGT	GTGTGTGCCA	400
	GGAAGGTCCC	TGCTCTCTGT	AGCTGTTTTC	TTCATCCTTT	400
	CCCTAACAGC	CGATTCTGTC	ATCCCTAGTC	TGCCCCTCTC	500
			TTTTCTGTCC	CTGGAGGGAT	300
GATGGTCTCA	ATCTCCTCTG TTCTCACCTC	ACCATGATTT		TTTCATATTC	600
		CTCCACGAAA TCATCTTTTT	CGTGTTAGCT TTTTAAACAA		000
CTAGATCCAC	TCACTTCTCA		AAGTTATTGA	GTAAATAAGC	700
AAAAATGTAA	TATGACGTGT AATATTGAAA	· · · · · · · · · · · · · · · · ·	TTTTGTACCA	GGCTATGTGT	700
					800
CACGGCTTTG	GCGCTTTGCA	CAGACTATTA	GAAATACCTT	ATAACATTAA	800
AAATAGGACA	TTGAGGCCGG	GCGTGGTGGC	TCATGCCTGT	AATCCCAGCA	000
CTTTGGGAGG	CCAGGGTGGG	TGGATCACCT	GAAGTCAGGA	GTTTGAGACC	900
	ACACGGTGAA	ACCCCGTCTC	TACTAAATAC	AAAAAATTAG	1000
CCGGGCATGA	TGGCACATGC	CTATAATCCT	AGCTACTCGG	GAGGCTGAGG	1000
CAGGAGAATT	GCTTGAATCC	GGGAGTCAGA	GGTTGCAGTG	AGCCGAGATT	1100
GTGCCACTGC	ACTTCAGCCT	GGGCAACAAG	AGTGAAACTC	TATCAAAAA	1100
AAAAATAGGA	CATTGAAGTT	GGTTTCTTTT		AGTCTCGCTC	4000
TGTCACCCAG	GCTGGAGTGC	ACTGGCAGGA	TCTCGGCTCA		1200
TGCCTCCTGG	GTTCAAGCAA	TTCTCCTGCC	TCAGCCTCCT	GAGTAGCTGG	
GATTACAGGC	ACGCGCCACC	ACGCCTGGCT	AATTTTGTAT	ATTTAGTAGA	1300
GACAGGGTTT	CACCATGTTG	GTCAGGTTGG	TCTCGAACTC	CTGACCTTGT	
GATCCGCCCA	CCTCAGCCTC	CCAAAGTGCT	GGGATTGCAG	GCGTGAGCCA	1400
CCGCACTCTG	CTTTTTTTTT	TTTTTTTTGC	CGCCCTCTCA	CATACCATAC	
TCCCCTGTAT	CACTTATCCT	TCTGAAGTTG	TTATTAATCA	TTAATACAAC	1500
TAGCTGGGCA	TAGTGGTGTG	CGATGGTAGT	CTTAGCCACT	CGGAAGGCTG	
ATGTGGGAGG	CTAGCTTGAG	GCCAGTAGTT	CTAGGTTAGG	TGAGCTATGA	1600
TTGCACCATT	GCACTTTAGC	CTGGGTGAGA	GCAAGCTCCT	GTTTCAAAAA	
AAAAATTAAT	TGCTACCACT	TACTAAATGC	TTAATATATG	GCAAACACTT	1700
GCCAAACACT	TTATATGCTT	GATTTAAGCA	TCAAGCTAGC	TCTGTGAAGG	
GTACCAGCAG	GTTTCCCATT	TTTTAGATGA	GCAGACCGAG	GTTCTTCTCG	1800
CTGCTTCATA	CTGGAAACTT	GCACTTGATT	CTGAGGCTCC	TGCTTCTTCA	
AGAACACTGC	TTTGGGTTCG	CTTCTCCTGT	CCCTGGGGTC	TCCCTTTGTG	1900
ATGGTGGTGA	GCTGCTTCCT	TTCTGAATCC	AGCTTCAACC	CTACAGTTCT	
CCAGAAGCTG	GACGATGGGG	TGGAGTAAAG	TCAGCTCCCC	CCGCAGTGAG	2000
GGACACTGAA	GCTCCATTCT	CATCTGCGGA	TCACAGAGGG	GAAGCCAGGA	
AGAGCCAGGG	GACGGTGGAC	TTGGGGCTGG	GAGGTCATCT	CAGAGGGATA	2100
AGGGGTGAGG	AGCTCTGGTT	TCAAGTTCCA	AAGCCCTAGG	ACCTCCCTCT	
TCTCTGTCTG	CCTGCATTTC	TAGCAGCCTC	AGCAGCTGCA	GGCCCTTGGG	2200
CGGGGCTGGA	TGTAGGGAAG	GTCATTGTAC	CAAGAAGATA	GTTGGGTAAA	
TGTGGTACCT	TTGTTGTAGG	ATTCTCTTGG	GAGATGTCTG	CATCAATGAG	2300
GATGGCATAA	AGTAACCAGA	GTCAGGATGT	GGGGTCTGAC	TCAGTGACAG	
AAAAAGTGGC	AGTGTGTCTC	TCATAGCCAA	AGGGGCCCTT	GGACCGGCAG	2400
TCGGGAGTCT	GGGGTTCTCT	GTTGGCTCTG	CCTCCTGGCA	CATTGGGTTT	
CTGGACCTCA	GTTTTCTCCT	CTATAAAACC	GGGCAGTTGG	GTGGGCACGG	2500
		AGCACTTTAG			
		GACCTGCCTG			2600
		ATTACCCAGG			
		TGAGGTGGGA			2700
		TTOTT	TD T2 1 A		

FIGURE 1A

GTCGAGGCTG	CAGTGAGCTG	CGATGGTACC	ACTGCACTCC	AGCCTGGGAA	
ACGGAGCGGA	CCCTCAAAAC	AAAAACAAAA	ATGAAAAACA	AGCAAACGAA	2800
GAAATAAAAA	AACCTAGGGG	GTTGTAGTCG	ATGATCTGTA	AGGTGAGTTA	
TAATTGATGT	ATTGGAATAT	TTAGGAAAAG	GGCACTGGGA	ATATGCTAGG	2900
AACACCTGAT	GGAGGTATCT	TTATTTCCAC	GGCAGCTTCG	TGGATACGTC	
TCATTGATTC	TCATGGCATC	ACTTTCCCCA	TGTAGGTGGG	CAGACATTGT	3000
TACCCCTGTT	TAATAAACAA	GGAACCAACA	GAGGCTTAGG	AGAGGAGTTG	
CCTGATGTCG	CATGATTGGT	GGCAGAGCCA	GGATCAACAG	TGGGGCAGGG	3100
TGGGGGGACC	TGGCCAGGCA	GAGACTGGAT	GAGACCTGGG	GTGAGGAATG	
T					
GCAGGCACCC	AGTCAGGGCA	GAAAACGAGG	GTTGGGACTT	ACTTTGAGTT	3200
TTGGATTGGA	TCAGTAAATT	CCCAAGAAAG	AGGGAGACTA	GGAGGCTAGT	
GAAGAACTCT	GGAGTAAAGG	GGAGGATTAC	TAAGGGACAT	GGAGTACCTA	3300
TCATGTGTCG	GACGCTTATC	TATATCTCTC	CCATCTGAAC	AAATCCTTAC	
AGGAACCCCA	GGAGACAGGT	TATCTCCACT	CTGCAAATTG	GAAAACAGAT	3400
CCAGACAGTT	TCAGTTATGT	GTCTGAGAAG	TTCATTTATG	TGTCCAAGAC	
G			G		
ACATTCTTAG	CTAAAAAGCT	AAGCATTCTG	AATTGGAACC	CAGAGAATTT	3500
GACTCCCAGA	CTCTGGATCT	TTTCACTGCT	GTGATCCATC	TGGGAAAGGC	
TAGTGATGTG	GGCAAGGGGC	TTATTGCCCC	TTGGTGTTTG	GTTGGGAGTG	3600
GTCGGATTGG	TGGGTTGGGG	GCACAAGGCA	GCCAGATCTG	GGACTCCTGT	
G					
GCTTGTGACT	GGACTACAAA	GAGTTAAAGA	ACGTTGGGCC	TCCTCCTCCC	3700
GCCTCCTGTG	GCCTCCTCCT	CCAGCTCTTC	CTGTCCCGCT	GTTGCAACAC	
TGCCTCACTC	TTCCCCTCCC	ACCTTCTCTC	CCCTCCTCTC	TGCTTTAATT	3800
TTCTCAGAAT	TCTCTGGACT	GAGGCTCCAG	TTCTGGCCTT	TGGGGTTCAA	
GATCACTGGG	ACCAGGCCGT	GATCTCTATG	CCCGAGTCTC	AACCCTCAAC	3900
TGTCACCCCA	AGGCACTTGG	GACGTCCTGG	ACAGACCGAG	TCCCGGGAAG	
CCCCAGCACT	GCCGCTGCCA	CACTGCCCTG	AGCCCAAATG	GGGGAGTGAG	4000
AGGCCATAGC	TGTCTGGCAT	GGGCCTCTCC	ACCGTGCCTG	ACCTGCTGCT	
[EXON	1: 4019				
GCCACTGGTG	AGACCAGGGA	CAAAGGGAAG	AGTGGGCTGG	TGGGCGAGGC	4100
G			A		
	405	2]			
ACCTTCCGGC	TGGCGTGGGC	CCTCTCCGGG	AGGGGGCCGA	GCCTCTCCTG	
CCCGGGCCTG	GTCCTGGCGC	CAGCCTCAGG	CCTGCAGGTC	CTAACCTCAG	4200
CCACTGCCAG	TGTGGGGTTC	CCCATTCATC	CGCCTTTTGG	AGTAGGGGCT	
GCGCTGAGGC	AGGGGAATGG	GAGAAGTTTG	AAAGGGAGAG	AGTAAAAGGA	4300
			GTGGGCGGCC		
			TTTGGCGGGG		4400
			GTCCAGACGG		
			GGTGTTGGGC		4500
			ACCCTGTAGG		
			GGAGTGGGGA		4600
TGGTGGGTTT	GGGATGCTCA	TGGTGGGAGG	TATTTGAGAA	TGGGCTGGGA	
CACTGGATGG	GGCAGGGCAA		AGTGTCCCCA		4700
CAAGCCCCGG	CCTCTCACCT	GGGGACATTC	TTTACCCTTT	TGCCTGCTGC	
TAGGCAGGTA	GCCGCTGTGG	GACTGAGCCT	TCCCAGGGAG	CTAGTCCTAC	4800
CCCCACCTGG			CTCCAGCTTC		
			TGGTTTCTTA		4900
			TCGTCACTGG		
			TCCTTGATCG		5000
CTTGGTCCGG	GAATCATCCT	GTTCAGATGT	CCTGGGCCCA	TCTAGTCAGG	
CAGATTTTCC	CTGCCCTGCC	CGGCCTCTGA	AGGCTGCGCC	TACCTCCCCT	5100
			ACCATTCCTT		
ATCTCCCCAG	ACTCTCCTCA	GACTTCTCAG	AGCCTCTTTT	TTTGAAATCT	5200

FIGURE 1B

TTTCTCGCTA	ATCCTCCTTC	CCCTCCTCTC	TGCTCCGCTC	TGGTCCCGGC	
CCCAGGTCCC	CAGGCAGCAC	GTCTCTGGTC	AGGGTCTCAC	TCTTCTTCTT	5300
CTGCCTCCTC	CTGCCTCCTT	AGTCCCACCC	GCTCTTCCCT	TCTTCCCACT	
GTCCTTCCCC	CACGGTCTCC	CCACCAGCCA	GCTGCCCTGA	CATCCTGCTT	5400
CTGTTTTCTG	TTTGGGGGCG	GCCCCTGGCT	CCCTCACATA	CCTCCTGCAT	
GAACAAGAGC	AGCTTATATA	ACCTAACCTT	CCATGCCTTC	GTTTCTTTAT	5500
CTCCAAAATG	GGTGTCACAG	TCTTGACCTC	ATACTGTTGT	TTTGAAGATT	
GAATAGACTG	ATACATGTTA	AGTGTTCATT	TGATTTATTA	AGTGTGCGCT	5600
CTGGGCTAGA	CACTGTGATA	GGTGCTGGGA	TTACAGCAGA	GAACAAAATC	
CCTGCCCACA	GCTTTGACAG	TCCATCAGGG	GAATAGGTTG	TAGCAAATAG	5700
AAAGCACTCA	ATAAAGTTTT	TATATTGCTG	TGACTAGTAG	TAATTACTGG	
GTGGCTACCT	GTGTTGGGAA	AACAGAGGGT	AAAGGTAGCC	TGAACAGGTA	5800
AAGGGAAGTG	CCTGCGTCCT	GGGGTGCTTC	AGCCCAGGTG	GGATTATGTC	
TCCTAAGGGA	CAGAAGCCTG	GCCTGGAGCT	GGAGGAAAGG	GAAAACAAAG	5900
GGAATGCAAC	ATCCTTCTGA	ATTTCTCACC	ATTCAGTGGG	CAATGCAGAG	
CTCACAGTGT	GTGTGTGTGT	GTGTGTGTGT	GTGTGTGTGT	GAGAGAGAGA	6000
GAGAGAGAGA	GAGAGAAGTG	GGGTAGGGGA	GTAGGGAAGA	ATGATACAGG	
AGAGACTGTG	GCAAAGCAAA	CAGGATTTTG	CTGCTCTCAA	AGAGCTTACA	6100
GCCTAGTAAC	CAAGATGGCT	TACAGTGAAA	AATGATTTCA	GAGCAATCCC	
GAGGAAAATA	TCCACAAATG	CATTGTGATG	TGGTGTCCTG	GAGCACCAGT	6200
TGGGAGGAGG	AGGAACTGGG	GAAGGAGGTG	AGCCTTAGTC	CACTGCCTTT	
CCTTGCTTAG	CAGGTCTCAG	CTCCTGCGCT	CAGCTCCAGA	AAATTCAGGA	6300
GCTTCCCCAC	GCTGCTTCAG	TGTCCTTCAC	TGTGCAACTG	CAGCACTCCC	
TGTATAGATC	TCAGTGCCTA	CAACTGACTG	TCTTTGACTC	AAGTGAGAGC	6400
TCTTGAGAGC	ACGAGCTGTG	TATTATCCAC	CTCAGCATCC	CTAGCACCCA	
TACGGGACCT	GTCACATTAA	CTGTGCCCCT	TAACTATTTG	CTGAAGGAAT	6500
TAAGGAACAA	GAGATGTGTC	AGATGGGATG	GCGGAGGGAA	AGCCTCATAG	
AAAAGTGGAT	GTGGAGCTGA	CATCTGAAGT	CACTGCCTGT	CAGGGTAGCT	6600
ATAAAGGAGG	GAAGCAGAGT	TGGATACTGA	TGTGAGGAAG	AGGAGAGGAA	
TGGAGAGATG	GGATTTTGTG	TTGATGGGCA	GGGTGGCAGG	AAGCCAGACA	6700
CCTTGGTTCG	GGAGTGGAAA	AACCATGTTG	AGAAACACTA	AGAAATGTGA	
ATGGGAGAAT	TAGAGGGAGT	GGGGGAGAGG	ATGGAGGAAG	AGTGTTGAAT	6800
ATGGTTCCAG	GTGGAGGAAT	TCATTCATTC	GTTTATTCAG	AAGCTGTTCT	
CCTAGGGCAC	ATTCTGTGCC	CAGACTGTGA	TTAGAAGTGA	GGTGAGGCAT	6900
CTCAGATGGG	TGCTGTGGTT	CATGCCTGTA	ATTCCAGCAC	TTCAGGAGGC	
CGAGGTGTGT	GGATTGCTTG	AGTCCAGGAG	TTCGAGACCA	GCCTGGGCAA	7000
CACAGCAAAA	CCCTGTCTCT	ACAAAAAATA	CAAAGATTAG	CGGGGCATGG	
TGGGGCGTGC	TTGTCATCCC	AGCTATTCGG	GAGACTGAGC	TCGGGAGGAC	7100
GGCTTGGGCC	CAGGAGGTGG	AGGTTGTAGT	GAGCCCTGAC	CACACCACTA	
CATTCCGTCC	TGGTGGTGAA	GGTTGCAGTG	AGCTATGATT	GTGCCACTGC	7200
ACTTCACCCT	GGGTGACAGA	GTGAGACCCT	GTTTCAAAAA	AAAAAAAAA	
AAAGTAGTGA	GGCATCTGTG	GAAGTCTTCA	GATCATTTCC	ATGACCATGG	7300
AAATGCTGTT	TGGAGCCAGG	CCCTGGAGAT	GGAGAGGAAG	GTTCACACAC	
TTGTGCGTGC	AAGTTAAAGC	CTGAATGAAG	ATTTAAAAAG	TGTGTAGGAC	7400
GGATGGGAGC	AGGAGAGAGG	CTAGAAGACA	CTTGCAATAA	CCCAGGTGTG	
AGGCAACCCA	GGAATGCGGA	GAGGACCGAG	AGATCACAGG	GGGAGGCCTC	7500
GCAAGATGAA	CTGACACATG	GGATGGCGGC	AGGGATAGGG	ATGGGGCCCT	
GGGGAGAGAG	CGTGGCAAGT	TCTCAGCATT	CGTCCGGGAA	GTCGATGGTG	7600
TGTCATTTGT	CTAGGTGAGG	AGATGGATGA	ATTCCGTCTG	GGGCATGTTA	
AGGGTCAGGG	AAATGGTCAT	GTGGAAGGGT	GCGCCTACCA	AGCTGGAGGA	7700
GAGGTGCTGC	AACTTCTTTC	TGCCTTTGTA	TCATTCAGAC	ACACTGTGTT	
CACTCATCAG	TGGTTCTCAA	AAGGAGAGGA	GCACACCAGA	CTCTTAAGTA	7800
AGGGTGTGTG	TGCTTGTGTG	TGGGGAGGTG	GGGGGATGGT	CTGAAAACTC	
TCCCCCGGAG	ATAAATATAT	TCCTACCAGG	GGTGCTGTCT	CCTCACCTCC	7900
CTCTTTGGGA	ATCACTGGCT	TCTACTAGAG	TGGAAGACAG	ATGTATCATT	
AGATCGATCA	GTTGATCCAT	ATTTATCTGC	TCCCAGTCTG	GAGGTCTGGT	8000
		FIGU	RE 1C		

TCTGGGAGCT	GAGAGGACAC	CAGGGGAGGA	TAAGACACTT	TCTGACCAAG	
ACATTTTTTG	ATCTCTCATC	TTATAAGGTT	CGTGGTCACT	TTGGGGAGAT	8100
CATATCTGTC	ACCCAACATA	ACCATATTAT	GATAAGAGCC	AAAAGTAGAT	
AGGGTCAGTT	CACGTGCTTC	GAGTTCACAG	GGACTATGGG	TCTAAGGAGC	8200
CGGGGTGGAG	GAAACAGACA	TCGTCAATGG	TGGCTTCACG	GGAGGGAGAT	
GGGATCTCAA	CTGGGCCCTT	GGAGGAGAAG	CTGCCACGAC	CTCCCCCAAC	8300
ACCTTGACAT	TAAATGAACA	GACACATGAA	TGAGGGGGAA	AGGAAGACTA	
ATTGGGTCCC	TGCAAGGTGG	CTGGATCGGG	GTCAGACCAC	AAGGCCGATC	8400
TCAGCGTCGC	CTCCCCACTC	TGCAGCCCCA	GCACAGGAAG	TCACACTTTA	
AAGCCTCCTC	TGGCGGAAAT	TGTGGGGGAG	TTGGAGGGGT	GTTGGGCCAC	8500
CCCCTCAACT	GTCTCTCCAC	AGGCACCCCA	GCTTCCTGCC	CTTCTGCTCC	
AGGCTGGAGT	CTGGGCCTAA	AGAGCTCACC	TCCTGTTTCT	CCTGTTTTGC	8600
TTCATTTACG	CAACTGCTGA	GGACTGGGCT	TACTGGGGCC	AGCTGGTGCC	
AGCAGTGGTG	CCCAGTGGTG	GGGAGTCTGA	GGGCCCTGGC	TCCTAGGGAT	8700
CAGAGAGGGC	TGACCTGGAG	CATTCTGGGG	GCCAGGGGAA	GCCTAGGAAG	
CAGGGCTGGT	TCTTCCATCC	GGCATCCCTT	CTTGCCTGCT	CCCTCGTTCC	8800
TGGAAGTGGG	TGTTCAGGGC	TCTGGAGGCT	TTCCTGTATT	GCCAGTGGGC	
TTGGGGAGGG	TCTGTGGAGA	CTCAGAACTG	GCCTTGTTTC	CTAAGGATTG	8900
TCTGGGGACC	CCAGGGAGGC	CCCCAAACCC	AGCACAACTG	GTCAGAACCA	
GCCAGGCTGT	GGGAATGCGG	TGAACCCAGG	GTGGGAGGC	AGCCTTGGCT	9000
TGCTTCCTGC	TGGGACTGGG	GAGTGTTGGG	GGATGGAGTG	AGAGCTCACG	0100
GAATGGGTTT	AGCTGTTGGA	GACTTGTTGA	ACTGGGAGGA	GGAGCTGGGG	9100
CGGGGCCTCA	GCTAAAGGCC	GCTGAGGGGC	TAGGAGGAGC	CAAGTGGCCC	0000
TCAGGGAAGG	GAGGGCACAG	ACCTGATGGG	CGGAAGCCAG	GGTCGAGGGA	9200
GACTTCCCTT	CGGGATGGAA	TGGGGAGAGG	GAGGCATTTC	CCGGAACATG	0200
TGGGCCAAGT	GGGACAAGGG	TCTGTGGCCT	GGCTCTTTGC	ATGGGGAGGG	9300
GATGGATGGG	GGTTGAGTGG	GGATGGGAAG	GAGGGACTTG	GCCATAGGAA	0.400
	GATGGAGTCC	CACTTGCATG	CAGGCTGGTG GGGAAGCTGC	CCTTCTGCCT	9400
TTCTGCTGAC	TCATGACCCT	TGAGGAGCTG		GGGCGGAGTT	9500
TCCCCTCCCT GCTGGGAAAA	AGGTCTCCCT GATTTCCCTT	CCCTCTGGCC	TGAGTCACTG GACTTAACCC	CCAGAGTGCT	9300
GGAAAGAGAA	GGGAACACGT		AGCCTCTCTC	CCTCCCTCCC	9600
TCCAGGGAGG	CTCATCCCCC	ACTGGCCAGA	GGTCCCTGAA	AAGCTCCCTT	3000
TAAGGCTGTC	TGGGGCTGGC	GTCCCCCAGT	TCTTCATCAT	GACTCTGCCT	9700
CAAGCCCCCT	GGATGGGATT	CAAAGTACCA	GTGACCTTAG	GTGCTCCAGT	,5 / 0 0
GGCTTCTTCG	GGGAAAGGAA	CCACACTTTC	AGGACTGGGA		9800
ATCACCACCC	CAAACCCTTC	CTGTTGCCCT	GGAAGCCCCA		3000
CAGCAGAGGT	GGCACGGTGT	TGGCTGGTGC	GGGCAGGGGA		9900
			CGGGGGCTGC		
			GGCTTGAACT		10000
			GCTGACTCAG		
			CTGGGTGGCT		10100
			TGATCTGGTG		
		TTGAGGACAC		TTACACAAAG	10200
		AAAAATGAAG		ACCAGAAATG	
AAGCTGGCAG	AGATCAAAGT	CCAAGTTAGA	GCTAAATATT	CACTCCTGGC	10300
TTTGCTTTCC	TGGCACTGAT	GCCGGAACAG	GACAAGCCAT	TTAGCTGCTG	
TGGGGTTGGC	CTGAGACTGC	AAAGCACACC	TTCCAGAATG	CCATGGTGTG	10400
CAGGGGGCTC	CAGGACTCCC	CAGCACGCCC	TCAGCTCTGA	CCTGACAGTC	
ATCCAAGCTG	GGTCGCTAGC	CTTGGCCAGC			10500
ACACCTTTGC	CCACTCCTGC		ACTTTGTCCC		•
	CCCAACCTTT		CTCCTCCCCA		10600
			GGAGGGGATG		
			ACAAACATGT		10700
			CTCACGGGAA		
CCCCACCGCC	AGCTGACTTT		TTTTCATGGT	GTAACATATT	10800
		EICH	DE ID		

FIGURE 1D

CCTGGGATGT	GCATAGATCC	TCATTGTTTA	CCTCTGTGAA	TGTTCGCAAA					
GCGATCACAC	GGTGAACCCA	GCACCCAGAT	GGAGAAACAC	CGCCCCAATC	10900				
TTTAGGGCTG	CTTGTTGGAA	GAAGGGGCCA	TCACTGAAGT	AACCTGCCAA					
TTCCCAATCA	AAAACACATC	CTTTCAACAT	CTGCCCTGTG	TCCAGCACTG	11000				
TTAGCTGCTG	TGGGGGATTT	CACAGTAAGG	ATAAAATACA	GGGCTGGGCT					
CACGCCTGTA	ATCCTAGCAC	TTTGGGAAGC	CAAGGTGGGA	GGATCACTTG	11100				
AGCCCAGGAT	TTTGAGACCA	GTCTGAGCAA	CGTAACAAGA	CCCTGCCTCT					
ACTAAAAATA	AAAAAAATT	AGCTGGGCAT	GGTGGTTCAC	GGCCGTAGTC	11200				
CCAGCTATTC	AGGAGGCTAA	GGTGGGAGGA	CTGCTTGAGC	GTGGGTGGTG					
GAGGGTGCAG	TGATTGCATC	ACTGCACTCC	AGCCTGGACA	ACAGAGCAAG	11300				
ATCCTGCCTA	AAAAAAAAA	AATACAGCTT	AGATCTGGGG	CCTACTAGCT					
TTGAGTTGAG	GGAACAAAAA	TGAACACACA	GGACAACTAG	AGAACAATTA	11400				
AGCATCAGAT	TGTATGGCCC	CAACTGTCTA	AGTTTCAAGG	AAGAACTCTA					
AACTTAGTGA	GTGGCGTGGC	CTGGGCGGAA	TGTTTCACTG	AGGAAGGACT	11500				
	AAGTTTTAGA								
	GTGTCTCCTC		TTCCCCAGGT		11600				
	2: 11584	1711 01 0211 1 0	11000011001	00100100110	11000				
-	GAATATACCC	CTCAGGGGTT	ATTGGACTGG	TCCCTCACCT					
	GAGAAGAGAG		TCCCCAAGGA		11700				
		TGCTGTACCA			11700				
ACCCICAAAA	117		AGIGCCACAA	DDDDAIDDA					
****************		CTCAGGTCTG	CCCTCCTCCT	TCTTTCTCTG	118'00				
	TTGTTCTTCC				11000				
			TGTCTCTCCT	GGGCTGGGAT	11000				
	CCTCCTCTCC	TAGAGACTTC	AGGGAATCGG	CCCTGGCTGT	11900				
-	ATGGGGCTCC		TCTCACCCGC		10000				
TGCGGCCCCA	TTCACAGGAA	CCTACTTGTA	CAATGACTGT		12000				
	0 11060			T					
•	3: 11968	~							
		GAGTGTGAGA			* 0 1 0 0				
GAAAACCACC		CCTCAGCTGC	TCCAAATGCC	GAAAGGGTGA	12100				
	120	=							
	GCAGGAGAGT		TTGAGTGGTG	TGTGGGTGCC					
		GGTGTGGGCA		TGTTTTGGTG	12200				
	TGGATGTGAG	TGTGTATTAC	AGAGACACAC	ACTTAGGGGT					
ATGTCAGGAA	GGGGATGCAG	GGACAGGAGG	ATGCAGGACT	CATACCCCAT	12300				
CTTCTCCCCT	CACCAGAAAT	GGGTCAGGTG	GAGATCTCTT	CTTGCACAGT					
[EXON	4: 12317								
GGACCGGGAC	ACCGTGTGTG	GCTGCAGGAA	GAACCAGTAC	CGGCATTATT	12400				
A				С					
GGAGTGAAAA	CCTTTTCCAG	TGCTTCAATT	GCAGCCTCTG	CCTCAATGGG					
ACCGTGCACC	TCTCCTGTGA	GCGCAGCTCT	CCTGAGGCCA	AGCCCTCTCC	12500				
			${f T}$						
	124								
CCACCCCAGG	GGTTGGCCCC	TTCCCCATGC	GGTGGCACTT	CCTTTCCTTC					
CCCCTCCTGT	ATTCTGTGGG	TCTGACAACC	AACTCCTCTC	TGGCCGCCCC	12600				
CACCCTGTCC	CTCGTCACTT	CCTCTGTCCT	GTGGGGTGGG	GGTGCAGGCG					
		CACTTCTCCC			12700				
C									
_	5: 12686								
		GCAGGTTTCT	TTCTAAGAGA	AAACGAGTGT					
		ATCTCTGAGA			12800				
OLOLOCIGIA	127		201001000	1101 00111 001	12000				
CCCATCCCTT		ACTGGTGGGA	ACCATTACCT	GGGCAACAGA					
				GTAGGAGACA	12900				
		GTCCTTCCCC			12700				
				CCCTTCCAAC	13000				
AGICTITGAG	GATGGAAGAT			CCCTTCCHAC	12000				
FIGURE 1E									

TCAGATATET   AGATTCTTGG   ATCTAACAGAT   GATCATTCAT   GATCATCAT   GATCATCAT   GATCATCAT   GAGGACTAT   TGAGGACTAC   TGAGGACTAT   AGAGGACTAT   TGAGGACTAC   TGAGGACTAT   TGAGGACTAT   AGAGGACTAT   TGAGGACTAT   TGAGGACTAT   TGAGGACTAT   TGAGGACTAT   TGAGGACTAT   TGAGGACTAT   TGAGGACTATTAC   CTATCACAGAGA   ATAAACTCTC   AGGGCTCTCA   AGAGGATGTC   TGACTACTAC   GAGGATTCAC   AGAGCAGGATCAC   CTACCACAGAGA   ATAAACTCTC   AGGGCTCTCA   AGAGCAGGATC   TCACTACTACC   GAGGATCTCAC   AGAGCAGGATCACCCACCATACACCCACCACTACACCCACC						
GETTGARTTC   GAGGTCTGT   TTGCTCTGG   GTAGWARDT   AAAGAAAAGT   GATTATTCCT   CATTAGTCAC   TGTGATGGG   TCTTAGTTT   GATGCARTA   GATTATTCCT   GATGATTAC   GATTATTCCT   TGTGATGAC   TGTGCAAGA   ATAAACTCTG   AGGGTCTCACACA   GAGGTTTC   GATGATTAC   GATTTGAACA   GAGGTGTTC   GAGGTCACACA   GAGGTGTTC   GAGGTCACACA   GAGGTGTTC   GAGGTGAAGA   ATAAACTCTG   GATGTTACTG   GAGGTGAGACACACACACACACACACACACACACACACAC	TCAGATATGT	AGATTCTTGG	ATCTACGATA	GCTCATTGGT	TCTAGGACAT	
GCCTTTTATT   CTTGATGGGG   TCTTAGGTT   GAGGCATAT   GAGGCTGTTC   CATTAGTCAC   TGTCCAGAGC   TCTTACTCC   TGGCTCCAC   GAGGCTGTTC   CAGGCCATACTG   CACTTACTG   GCTATGTGAC   GAGGCTGTC   GAGGCTGTC   GAGGCTGTC   GAGGCTGTC   GAGGCTGTC   GAGGCTGTC   GAGGCTGTC   GAGGCTGTC   GAGGCTGTC   GAGGCAGGTT   TCTTTAGACA   TTTTTTTTTT   TTTTTTTTTT   TTTTTTTTTT	ACACTCTTAT				GACTCATCAT	13100
CATTAGRICA   TETCCAGGCC   TCCTTACTC   TGGCTCCACA   GAGCTTTC   TTGTCACTCA   CTTGCAAAGA   ATAACTCTG   AGGCTCTCA   GAGCTTGAC   CCCAGCATAG   CCACTTACTG   GCTATGTGAC   GTTGGCCAG   TTTCTTAACA   TCTCTGAGCC   TCACTTTCT   TTTGTTGTT   TTTTTTTTT   TTTTTTTTT   GACAGGGT   TCACTTCTGC   ACCAGGCTG   GACTGCAGTG   GTGCAACCGT   GGCTCAGGCT   CACCTCCAG   GGCTCAAGC   ATCCTCTTGC   CTAGCCTC   GGCTCAGGCT   GACAGCCAC   GACACCACA   TAACACCAGC   CCTTTTTTTA   AGACAGGGT   CTACTATATT   GCCCAGGCT   GCCTCAGGCT   GCCTCAGGCT   CCTGGGCTCA   AGCGATCTTC   CGCCTCAGCC   TCCCAAAGTG   CTAGGATTAA   CCTGGGCTCAA   AGCGATCTTC   CGCCTCAGCC   TCCCAAAGTG   CTAGGATTAA   CTAGCATCAAC   AGCTCACACA   CACCTCAGCAC   CTAGGATTAA   CTAGCATCAC   AGCACCAC   TAGACTATT   TATATTTAAA   13700   GTAAGCATAA   TACACCACAC   ACCTTGACAC   AAAAACAAT   TATATTTCCAT   13800   TAACCTACACA   AACCTAATCAT   TTTTTTTTT   TTTTTTTTT   TTTTTTTTT   TTTAGGAACC   AGCACCCT   TGCAACCTC   GTCGCCCAGG   CTGGAATCAC   CTGCGCTCAC   CTGCGCTCAC   TGCAACCTC   TGCAACCTC   GTCGCCCAGG   CTGGAATCAC   CTGCTGGCT   ATTTTTATAT   TTTTTTTTT   ATTAGGGCA   CTGCCACCA   TGCCTGGCTA   ATTTTTTATT   TTTTTTTTT   ACCTGCCTCT   GCCCCACCA   TGCCTGGCTA   ATTTTTATATA   TTTAGGAA   ACCTAGCACCCC   TGCACCACA   TGCCTGGCTA   ATTTTTATATA   TTTAGGAAC   AGCTTCCACCA   TGAGCTTGG   TGCGCGGAT   AACTGCCTGC   AGCCACCCC   ACCAGCCGC   TTGAACTCC   CTCCAAAA   TTTTTATGTAC   ATTCTTATGG   AGCTTCCTGC   TGGGAACTCA   CTCTCTCAGG   TGCCACCGC   TGCCCCAGTA   AACTGCCTC   ACCTGCCAC   ACCTGCCTC   AGCCTTGCA   ACCTTCTCAG   ACCTTCTCAG   ACCTTCCACA   ACCTGCTCTC   TGGGAACTCA   CTCTCTCAG   TACCACCCC   AACTGCCCAC   ACCTGCACCC   ACCTTCCACA   ACCTTCCAG   ACCTTCCACA   ACCTGCTAC   TTCACAGGGT   CTCCCCAGA   ACCTTCCACA   ACCTTCCACA   ACCTGCTAC   TTCACAGGAT   CTCTCTGC   TGCCCCAGTA   ACCTTCTTCAG   ACCTGCTAC   TTCACAGCA   CTTCTCAGCC   ACCTCCCAGA   ACCTTCTTCAG   ACCTGCTACC   ACCTTCCACA   ACCTTCCACA   ACCTTCCACA   ACCTGCTACC   TTCTCAGCC   ACCTCCCAC   ACCTTCCACA   ACCTGCTAC   TTCCAAGCA   CTTATTAAAC   ACCACCCCC   ACCTTCACCA   ACCTGCTAC   TTCCAAGCA   TTCTAGACCC   ACCTTCACAC   ACCTTCA	GGTTGAATTG					
CCCAGCATAG CACATTACTG GCTATGTGAC GTTGGGCAG TTTCTTAACA CCCAGCATAG CACATTACTG GCTATGTGAC GTTGGGCAG TTTCTTAACA TCCTCTGAGC TGACTTTCT TTTGGTGTAT TTTTTTTTTT	GCCTTTTATT	CTTGATGGCG	TCTTAGGTTT	GATGCAATAT	v.	13200
CCCAGCATAG   CCACTTACTG   GCTATGTGAC   GTTGGGCAAG   TTTCTTACACA   TCTCTGAGCT   TGACTTTTCT   TTTGGTGTTT   TTTTTTTTTT   TTTTTTTTT   TAGACAGGCT   GACTAGGGTT   TTTTTTTTT   TTTTTTTTT   TTTTTTTT	CATTAGTCAC	TGTCCAGGCC	TCCTTACTCC	TGGCTCCACA	GAGGCTGTTC	
Rectregace   Tacattete   Tatattete   Tat	TTGTCACTCA	CTTGCAAAGA	ATAAACTCTG	AGGGCTCTCA	GAGTTTGAAC	13300
GGCTCAGCCT CCACCTCCAG GGCTCAGCC GACTGCAGC TTAGCCTCC TGACTAGCTG CACCTCCAG GGCTCAGCCA ATCCTCTTGC CTTAGCCTCC TGACTAGCTG GGATTAGAGG CACACACCAC TACACCCAGC TAAATGTTTTA CTTTTTTTTAG AGACAGGGTC CTACTATATT GCCCAGGCTG GCCTCGGACT CCTGGGCTCA AGCGATCTC CGCCTCAGCC TCCCAAAGTG CTAGGATTAC GGGCATGACC CACCACCCT GGCCTGGGCC TTAGATTCT TATATTTAAA 13700 GTAAGCATAA TAGCATTCAT TTGGTGAAAT TGTGAGAACC AAAAACAAAA AAACAAACAA AACCTACACA CACCTCGACA CAAAACTATT TATATTCCAT TAATCTTCTT TTTTTTTTT TTTTTTTTTT	CCCAGCATAG	CCACTTACTG	GCTATGTGAC	GTTGGGCAAG	TTTCTTAACA	
GGTTCAGCCT	TCTCTGAGCC	TGACTTTTCT	TTTGGTGTTT	TTTTTTTTTT	TTTTTTTTTG	13400
TCACTAGETG GGATTAGAGG CACACACCAC TACACCAGC TATATETTTA CTTTTTETAG AGACAGGGTC CTACTATATT GCCCAGGCTG GCCTCGGACT CCTGGGCTCA AGCGATCTC CGCCTCAGCC TCCCAAAGTG CTAGGATTAC GGCATGAGC CACCACGCCT GGCCTGAGCC TCCCAAAGTG CTAGGATTAC GGCATGAGC CACCACGCCT GGCCTGAGCC TCCCAAAGTG GTAAGCATAA TGACATTCAT TTGGTGAATT TGTGAGACC AAAACAAAG AAACAAACAA AACCTACAAC ACCTCTGACA CAAAACTATT TATATTTAAA AACAAACAA AACCTACAAC ACCTCTGACA CAAAACTATT TATTTTCCAT TATATTTTTT TTTTTTTTT TTTTTTTTT TTTTTTTT	AGACAGGGTT	TCACTCTGTC	ACCCAGGCTG	GAGTGCAGTG	GTGCAACCGT	
CTTTTTGTAG	GGCTCAGCCT	CCACCTCCAG	GGCTCAAGCC	ATCCTCTTGC	CTTAGCCTCC	13500
CCTGGGCTCA AGCGATCTTC CGCCTCAGCC TCCCAAACTG CTAGGATTAC GGGCATGAGC CACACGCCT GGCCTGGCC TTAGATTTCT TATATTAAA GTAAACACAAAC CACACACGCT TTGGTGAATT TTGTTAAAC TATATTAAAA GAAACAAACAA ACCTCTGACA CAAAACACAC AAAAACAAACAAAACA	TGAGTAGCTG	GGATTAGAGG	CACACACCAC	TACACCCAGC	TAATGTTTTA	
GGGCATGAGC CACCACGCCT GGCCTGGGCC TAGATTTCT TATATTATAA GTAACCATAA TACCATTCAT TIGGTGAATT TGTGTGAGAC AAAAACAAAG AAACCAAACAAA AACCTACAAC ACCTCTGACA CAAAACTATT TATTTTCCAT 13800 TAATCTTCTT TTTTTTTT TTTTTTTTT TTTTTTTTT	CTTTTTGTAG	AGACAGGGTC	CTACTATATT	GCCCAGGCTG	GCCTCGGACT	13600
GTAAGCATAA TGACATTCAT TTGGTGAATT TGTGAGAACC AAAACAAAG AAACAACAA AACCTACAAC ACGTCTGACA CAAAACTATT TATTTTCCAT TATTCTTCTT TTTTTTTTTT	CCTGGGCTCA	AGCGATCTTC	CGCCTCAGCC	TCCCAAAGTG	CTAGGATTAC	
AAACCAACAA         AACCTACAAC         ACGTCTGACA         CAAAACTATT         TATTTTCATT         13800           TAATCTCTT         TTTTTTTTTT         TTTTTTTTTTT         TTTGACACAGA         GTCCTCCTCT         13900           GCCTCCCAGG         TCAGACCATCTG         GTGGCGCGCTAC         CTGCACCTCT         ACTAGCTGGG         ATTACAGGCA         CTGCTCCCAA         ACTTTTTGTAT         TTTTACATGA         14000           GACGGGCTT         CACCACTCTG         GTCAGCGTGG         TCAAACCAC         AGCCACTGCA         14100           CCCAGCGGC         TTCATCTCTT         CTGAGATCA         CTTTTTATACC         AGCCACTGCA         14100           CCCAGCGGC         TTCATCTCTT         CTGAGATCA         CTTTTTATACC         AGCCACTCCA         14200           AGCTTCCTGC         TGGGAACTCA         CTCTCTCAG         AGCCACCCCA         14200           AGCTTCCTGC         TGGGAACTCA         CTCTCTCAG         CACCACCCCA         14200           ATCTGAGTGT         GTCTCTCTGC         TGCCCCCACA         AACTGCCAAAC         AACTGCCAAAC         14400           GTAACTACCA         ATCTAAGCT         TTTTAACTC         TTTTTCCCAA         ACTTTTACCTC         TTTTTCCCAA         14500           GCTGGCTACC         TTCCTAAGCA         CTTATTAAACT         CTTTTCCCAA         ACTTT	GGGCATGAGC	CACCACGCCT	GGCCTGGGCC	TTAGATTTCT	TATATTTAAA	13700
TRATCTTCTT TTTTTTTT TTTTTTTTT TTGACACAGA GTCCTGCTCT GTCGCCCAGG CTGGAATGCA GTGGCCGAT CTCGGCTCAC TGCAACCTCT GCCTCCCAGA TTCAAGCAAT TCTCCTGCTT CAGCCTCCA AGTAGCTGGG ATTACAGGCA CGTGCCACCA TGCCTGGCTA ATTTTTGAT TTTTAGTAGA ATTACAGGCA CGTCCCACA GTCCTGGCTA ATTTTTGAT TTTTAGTAGA CACTGCCTCT GCCTCCCAAA GTCCTGGGAT TACAGCCGTG AGCCACTGCA CCCAGCCGCG TTCATCTCTT CTTGAAAATCA CTTTTATACC ATCTATGTG GTTCTCACCA TGAGCTTCAG TGGTGGGAT TACAGCCCTG AGCCACTGCA AGCTTCCTGC TGGGAACTCA CTCTCTCAGA TTCCTTCCAG AGCTTCCTGC TGGGAACTCA CTCTCTCAGA TTCCTTCCAG ATCTGCTAGT TCTACAGGGT GCTCCAGT GACAACTCCC AACATGGAAG ATCTGATAGCA GTGTCATTTA AGAAAAAGCC CTTTAACCTC TTCTTTGCCAA AGGATTCTTA TCACAAGACA CTTATTAAAT GAGCCATAAT GATTTTTGCTT AATCCTCAAT CCTCAGAGGT GGCGATCCC TGTGGTGATA ACATGGAAA AGGATCCTAAT CCTCAGAGGT GGCGATCCC TGTGGTGATA GAGAAAACGA GCTGGGGG TTAATGGCTT GCCTAGATTC ACACTGCAA CACAACCCA GCTGGGGG TTAATGGCTT GCCTAGATT ACACCCTGA CTCTTTAACACT CTCTAGAGGT GGCGATCCC TTTTCACAAT TTTTTCTTC AACCCTAAT CCTCAGAGGT GCCTAGATC ACACTGCTAG CCAAGGAATG AACTGGAAATT TACACCCTGA ACCTAGATC ACACTGCTAG CCAAGGAACGA ACCTTGTCAAG ACCCTGCA ATCTAAAAAT TAAATGATTC TATGATTAAC TGTGTTTCAT TCTCTGCAT CAGTTCCAAAAATTATAATGATTC TATGATTAAC TGTGTTTCAT TCTCTGCAT CAGTTCCAA AACAAATTAT ATCAACAGGA AGCAAAAAATA TTTGTAAAGA AAGGACTCC GAAGAATTAT ATCAAGAGAC AGCAAAAAATA TTATGATAAC AACAAATTAT ATCAACAGGA CAACAAATTAC ACCCCAGC TGCCTCTCTC TTCCCACA AACAAATTAT ATCAACAGGA CAACAAATTAC TTTTAGCTTT AACAGAGACC TGGAGTGCC CCTCTCTCC CTCCCCAC CTACCCCAGA  [EXON 7: 15122 TTCTTGGTC TTTGCCTTTT ATCCCCTC TTCATTGGTT TAATGTATCG TTACCACCCAT TTGCCTTTT ATCCCCTC TTCATTGGTT TAATGTTACC TACCCCACC TTGGAGGCAC GGGGGCTTGCT TTCATTGCTT TAATGTTACC TTCTTTGGTC TTTTCCCTTTT ATCCCCTC TTCATTGGTT TAATGTTCG TACCACCAG TGGAGGCACG TGGGGGACTGG TGGGGGCTTT  CAACACCTGC TGGAGGCTG TGGGGGCTAGG GAGACATGG TGGGGGCTT  CAACACCTGC TGGAGGGGG GGGGGCTGGG GAGGACATGG TGGGGGCTT  C	GTAAGCATAA	TGACATTCAT	TTGGTGAATT	TGTGAGAACC	AAAAACAAAG	
GTCGCCCAGG	AAACAAACAA	AACCTACAAC	ACGTCTGACA	CAAAACTATT	TATTTTCCAT	13800
GCCTCCCAGA TTCAAGCAAT TCTCCTGCTT CAGCCTCCA AGTAGCTGGG ATTACAGGCA CGTGCCACCA TGCCTGGCTA ATTTTTGTATA TTTTAGTACA CGATGGGGTTT CACCATCTTG GTCAGGCTGG TCTCAAACTC CTGGTGATCC ACCTGCCTCT GCCTCCCAAA GTGCTGGGAT TACAGCCGTG AGCCACTGCA CCCAGCGGGC TTCATCTCTT CTTGAAATCA CTTTTATACC ATTCTATCTG GTTCTCACCA TGAGCTTGAG TGGTGGGCTA AAGTGCCTCT CCCTGCTTTC AGCTTCCTGC TGGGAACTCA CTCTCTCAAG TTCCTTCCAG CACCACCCA TAGAGTTCCC ATCACTCCAC ACTGTCCAGT GACAACTCCC AACATGGAAG ATCTGCTAGT TCTACAGGGT GCTCTCTGC TGCCCCAGTA ACATGGTTT TTAAATTTT CACATCCAC ACTGTCCAGT GACAACTCCC AACATGGAAG ATCTGCTAGT TCTACAGGGT GCTCTCTGC TGCCCCAGTA ACATGTTTT TTAAATTTT CACATCAGT TTTGACCCCG ACTCCCCGAA GTCAGGAAG ATCTGCTAGT TCTACAGGGT GCTCTTCGC TGCCCCAGTA ACATGTTTT TTAAATTTT CACATCAGA GTGTCATTA AGAAAAAGCC CTTTAACCTC TCTTTGCCAA AGGATTCTTA TCAGCAAAAC AGTGATGAAA CAACAATCCC ATCACCACAC GGTGGCTAC CTCCTCAAGCAC CTTAATAAAT GAGCAATAAT GATTTTGCTT AATCCTCAAT CCTGAAGAG GTGAGTAAAA CAACAATCCC ACAAGAAAT ACCCTCAAC CTTAATAAAT GAGCAATAT AGAAAAACCAA AGCATTTTAAATGAAGCATTA ACACCCTGA ATTCTAAAAT TAAATGATTC TTCTACACAG ACCTTGCTAGA ACACTGCTAG CCTTTCAAGAA ACACATCCTAG CCAAGGAATG CCTTTTCAAG ATCCCTCGC ATTCTAAAAT TAAATGATTC TATCACACAG ACCTTTTCAAAAT TAAATGATTC TATCACACAG ACACACCCAC CCTTCTTC TACACAG ACACAATCTCT GTGGTTGTT AATCGTTCAT TCTCCACA AAGGAATCTC AACAATCTGT GTGGTTGTT A TCTCTGTGTC CTCCAATGGT AGGGCCTCT TCCACCAGT GTGGTTGTT A TCTTTGGTTC CTCCAATGGT AGGGCCTCT TCCACCAGT GTGGTTGTT TAAGGCAAAATA TTTGTAAAG AAGGATCCC AACAATCTGT GTGGTTGTT AAGGAAAAAC CTGCACAC GAGGATGC CCTCCCCCCC CCTCCCCCAGA  [EXON 6: 14907].  TTGAGGAATGT TAAGGCCCT TCCCTCTTCT TGCCCCCCC CCTCCCCCACA  [EXON 7: 15122. TCTTTTGGTC TTTGCCTTT ACCCCCCC CCTCCTCTCC CCTCCTCTC TCACCCCCAC TCTCTCTT TTTGCCTTTT TTTGCTTTTT TTTTTTTT	TAATCTTCTT	TTTTTTTTT	TTTTTTTTTT	TTGACACAGA	GTCCTGCTCT	
ATTACAGGCA CGTGCCACCA TGCCTGGCTA ATTTTTGTAT TTTTAGTAGA GATGGGGTTT CACCATCTTG GTCAGCCTG TCTCAAACTC CCTGCTCTCT GCCTCCCAAA GTGCTGGGAT TACAGCCGTG ACCTGCACCACCCACCCAACCCA	GTCGCCCAGG	CTGGAATGCA	GTGGCGCGAT	CTCGGCTCAC	TGCAACCTCT	13900
GATGGGGTTT CACCATCTIG GTCAGGCTGG TCTCAAACTC CTGGTGATCC ACCTGCCTCT GCCTCCCAAA GTGCTGGGAT TACAGCCGTG AGCCACTGCA CCCAGCCGGC TTCATCTCTT CTTGAAATCA CTTTTATACC ATTCTATGTG GTTCTCACCA TGAGCTTGAG TGGTGGGCTA AAGTGCCTCT CCCTGCTTTC AGCTTCCCC TGAGCTTGAG TGGTGGGCTA AAGTGCCTCT CCCTGCTTTC AGCTTCCCC TGGGAACTCA CTCTCTCAAG TTCCTCCAG CACCACCCCA TAGAGTTCCC ATCACTCCAC ACTCTCCAG GACAACTCC AACATGGAAG ATCAGCTGAGT TCTACAGGGT GCTCTCTGGC TGCCCCAGTA ACATGGAAG ATCTGCTAGT TCTACAGGGT GCTCTCTGGC TGCCCCAGTA ACATGGATG TTAAATTTTT CACATGCATG TTTGACCCCG ACTCCCCGAA GTCAGGTACT GTAACTAGCA GTGTCATTTA AGAAAAAGCC CTTTAACCTC TCTTTGCCAA AGGATTCTAT TCACACAAACA AGTGATGAAA CAACAATCCC ATAACAGCTA AGGATTCTAT TCACACAAACA CGTATAAAA CAACAACTCC ATAACAGCTA AATCCTCAAT CCTGACAGGT GGCCGATCCC TGTGGTGATG AGGAAACCGA GCTTGGGGG TTAATGGCTT GCCTAGATTC ACACTGCTAG CCAAGGAATG AACTGGAATT TACACCCTGA CCCTGACTCC TTTTCACATT TTCTACACAT AATCCTCAAT TACACCCTGA CCCTGACTCC TTTTCACATT TTCTACACAG GCTTGTTCAT TCTTCTCAA AGGAATCCC AACAATCTCT TTTCTACACAT ACCACAAAAATA TTTGTAAAGA AAGGATGCC AACAATCTCT GTGGTTGTTT ACACCACTGC AATGGCTA AGGACTCC AACAATCTT TTCTACACAG CCTTTTCAT TCTTCTCAT CAGTTCCCAA AACAAATTAT ATCAAGAGAC 14800 AGCAAAAAATA TTTGTAAAGA AAGGATGCC AACAATCTGT GTGGTTGTTT ACACCACTGC TGGAGTGCC TGGAGTGCC CCTCCCCCAGA  [EXON 6: 14907  TTGAGGAATGT TAAGGGCACT GAGGACTCAG GTGAGGAGAA GTGACCTGGT 15000  CCCTTTTCAGC TCCACATGCT TCCCTCTTCT TGCCCCCCC CCCCCCAGA  [EXON 7: 15122  TCCACCCCAT TTTGCCTTCA AGCCCCC CCTCCTCTCC CCTCTCTCC TTCCTTCTTC TTTCTTGCCT CCACCACAC TTCCCCCAC CCCCCCCC CCCCCCCC	GCCTCCCAGA	TTCAAGCAAT	TCTCCTGCTT	CAGCCTCCCA	AGTAGCTGGG	
ACCTGCCTCT GCCTCCAAA GTGCTGGGAT TACAGCCGTG AGCCACTGCA CCCAGCCGGC TTCATCTCT CTTGAAATCA CTTTTATACC ATTCTATGTG GTTCTCACCA TGAGCTTGAG TGGTGGGCTA AAGTGCCTCT CCCTGCTTTC AGCTTCCTGC TGGGAACTCA CTCTCTCAAG TTCCTTCCAG CACCACCCCA TAGAGTTCCC ATCACTCCAC ACTGTCCAGT GACAACTCCC AACATGGAAG ATCTGCTAGT TCTACAGGGT GCTCTCTGGC TGCCCCAGTA ACATGTGTTT TTAAATTTTT CACATGCATG TTTGACCCCG ACTCCCCGAA GCAGTGACT GTAACTAGCA GTGCATTTA AGAAAAAGCC CTTTAAACTC TCTTTGCCAA AGGATTCTA TCAGCAAAAC AGTGATGAAA CACAATCCC ATAACAGCTA GCTGGCTACC TTCTCAAGCA CTTATTAAAT GAGCATAAT AATTTTGCTT AATCCTCAAT CCTGAGAGGT GGGGGATCC TGTGGTGATG AGTATTTGCTT AATCCTCAAT CCTGAGAGGT GGGGGATCC TGTGGTGATG AGTATTTGCTT AATCCTCAAG ATCCCTGACA CCTGAATCC ATAACAGCAA 14600 GGCTTGGGGG TTAATGGCTT GCCTGAATC ACACATCATG AGAAAACCGA 14700 CCTTTTCAAG ATCCCTGCA ATTCTAAAAT TACACCCTAG CCCTGACTGC TTTTCACACAG TATTAAC TCTGTTTCAT TCTCTCCAA ATCCCTGCA ATTCTCAAAAT TAAATGATTC TATGAATTAAC TCTGTTTCAT TCTTCTGCAT CAGTTCCCAA AACAAATTAT ATCAACGAGA 14800 AGCAAAAATA TTTGTAAAGA AAGGATGTC AACAATCTGT GTGGTTGTTT AA TTCTGTGTTC CTCCAATGGT AGGGCCTCTG TTCACCAGTG CGTCTCTTC TTTTAGCTGT AAGAAAAGCC TGGAGTGCC GAACATCTGT GTGGTTGTTT AA TTTTGGAGAATGT TAAGGGCACT GAGGACTCAG GAACATCTGT GTGGTTGTTT TTTTAGCTGT AAGAAAAGCC TGGAGTGCC GAACATCTGT GTGGTTGTTT TTTTAGCTGT AAGAAAAGCC TGGAGTGCC GAACATCTGT GTGGTTGTTT TTTTAGCTGT AAGAAAAGCC TGGAGTGCC GAACATCTGC CTCCCCAGA  [EXON 6: 14907.  TTGAGGAATGT TAAGGGCACT TCCCTCTTCTT TGCCCCACC CTCCCTCTCC TCCCACCCAT CCACTCTACC CTCCCTCTCTCT TGCCCCACC CTCCTCTGAC TCCACCACCACC CTCCTCTGAC TCCACCACCACC CTCCTCTGAC TCCACCACCACCACCACCACCACCACCACCACCACCACCA	ATTACAGGCA	CGTGCCACCA		ATTTTTGTAT	TTTTAGTAGA	14000
CCCAGCCGGC TTCATCTCTT CTTGAAATCA CTTTTATACC ATTCTATGTG GTTCTCACCA TGAGCTTGAG TGGTGGGCTA AAGTGCCTCT CCCTGCTTTC AGCTTCCTGC TGGGAACTCA CTCTCTCAAG TTGAGTTCCC ATCACTCCAC ACTGTCCAGT GACAACCCCCA TTAGAGTTCCC ATCACTCCAC ACTGTCCAGT GACAACTCCC AACATGGAAG ATCTGCTAGT TCTACAGGGT GCTCTCTGGC TGCCCAGTA ACATGGAAG ATCTGCTAGT TCTACAGGGT GCTCTCTGGC TGCCCAGTA ACATGGTATT TTAAATTTTT CACAGGAT TTTGACCCCG ACCCCCCGAA GTCAGGTACT GTAACTAGCA GTGTCATTTA AGAAAAAGCC CTTTAACCTC TCTTTGCCCAA AGGATTCTTA TCAGCAAAAC AGTGATGAAA CAACAATCCC ATAACAGCTA GCTGGCTACC TTCTCAAGCA CTTATTAAAT GAGGCATAAT GATTTTGCTT AATCCTCAAT CCTGAGAGGT GGGCGATCCC TGTGGGTAGT AGGAAACCGA GCTTGGGGG TTAATGGCTT GCCTAGATTC ACACTGCTAG CACAGAAACCGA GCTTGGGGG TTAATGGCTT GCCTAGATTC ACACTGCTAG CACAGAAACCGA GCTTTTCAAG ATCCCTGCCA ATTCTAAAAT TACATGATT TTCTACACAG 14700 CCTTTTCAAG ATCCCTGCCA ATTCTAAAAT TAAATGATTC TATGATTAAC TCTGTTTCAT TCTTCTGCAT CAGTTCCCAA AACAATCTGT GTGGTTGTTT A TCTTGTGTTC CTCCAATGGT AGGGCCTCTG TTCACACTG TGTGGTTGTTT A TCTTGTGTTC CTCCAATGGT AGGGCCTCTG TTCACAGTG CCTTCTCT 14900 TTTTAGCTGT AAGAAAAGCC TGGAGTGCC AACAATCTGT GTGGTTGTTT AACAGAAAACC TGGAGTGCC GAGGACTCAG GTGAGGAGAA GTGACCTGGT 15000  GCCCATGCTC ACCTGCCCT TCCCTCTTCT TGCCCCACC CGTCCATCCA TCCCACCCAT CCACTCTACC CTCCTCTTCT TGCCCCACC CGTCCATCCA TCCCACCCAT CCACTCTACC CTCCTCTTCT TTCCCCACCC CTCCTCTGAC TTTTTCCCACCC TTCCCCACCC CTCCTCTGAC TTTTTTGTTT TCCCACCCAC CCTCCTCTCCA CCTCCCCCCC CTCCTCTCCA CCTCCCCCCC CTCCTCTGAC TTTTTTTTTT	GATGGGGTTT	CACCATCTTG	GTCAGGCTGG	TCTCAAACTC	CTGGTGATCC	
CCCAGCCGGC	ACCTGCCTCT			TACAGCCGTG	AGCCACTGCA	14100
GTTCTCACCA TGAGCTTGAG TGGTGGCTA AAGTGCCTCT CCCTGCTTTC AGCTTCCACGAGTTCCCCA TGGGAAACTCCA CTCTCTCAAG TTCCTTCCAG CACCACCCCA TAGAGTTCCC ATCACTCCAC ACTGTCCAGT TCCTTCCAG CACCACCCCCA TAGAGTTCCC ATCACTCCAC ACTGTCCAGT GACAACTCCC AACATGGAAG 14300 ATCTGCTAGT TCTACAGGGT GCTCTCTGGC TGCCCCGGAA ACATGGAAG 14400 GTAACTGTT CACATGCATG TTTGACCCCG ACTCCCGAA GTCAGGTACT TTAAACTTTT CACATGCATG TTTGACCCCG ACTCCCCGAA GTCAGGTACT TCATACAGAAAAAACACC CTTTAAACTC TCTTTTGCCAA AGGATTCTTA TCAGCAAAAC AGTGATAAA CAACAATCCC ATAACAGCTA 14500 GGTGGCTACC TTCTCAAAGAC AGTGATAAA CAACAATCCC ATAACAGCTA ACACTGCTAG CACAGAATC CCTGAGAGGT GGCCTAGATTC ACACTGCTAG CAACAACCGA AGCATAACAG CAACAATCC ATAACAGCTA ACACTGCTAG CAACAACACAC CCAAGAATG AACTGGAAT TACACCCTGA CCCTGACTTC TTTTCACACT TTCTACACAG 14700 CCTTTTCAAAA ATCACCCTGA ATCCTAAAAT TAAATCAATTC TATGAATAAC TCTTTCTACACA ATCCTCAAAAAAAAAA				CTTTTATACC	ATTCTATGTG	
AGCTTCCTGC TGGGAACTCA CTCTCTCAAG TTCCTTCCAG CACCACCCCA TAGAGTTCCC ATCACTCCAC ACTGTCCAGT GACAACTCCC AACATGGAAG ATCTGCTAGT TCTACAGGGT GCTCTCTGC TGCCCCAGTA ACATGGTATT TTTAAATTTTT CACATGCATG TTTGACCCCG ACTCCCCGAA GTCAGGTACT GTAACTAGCA GTGTCATTTA AGAAAAAGCC CTTTAACCTC TCTTTGCCAA AGGATTCTTA TCAGCAAAAC AGTGATGAAA CAACGATACC ATTACCACAA GCTGGCTACC TTCCAAAGCA CTTATTAAAT GAGCATAAT GAGCATAAT GATTTTGCTT AATCCTCAAT CCTGAGAGGT GGCGATCCC TGTGGGTACT AGACAACCGA GCTTGGGGG TTAATAGAT GAGCAATAC CACAAACCGA GCTTGGGGG TTAATAGAT GAGCAATACT ACACAGCTA AACCTGAATT TACACCCTGA CCCTGACTGC TTTTCACATT TCTCACACG 14700 CCTTTTCAAG ATCCCTGCCA ATCCAAAAA TAAATGATTC TATGATTAAC TCTGTTTCAT TCTTCTGCAT CAGTTCCCAA AACAAATTAT ATCAAGAGAA AGCAAAAATA TTTGTAAAGA AAGGACTCC AACAAATTAT ATCAAGAGAC 14800 ACCAAAAAATA TTTGTAAAGA AAGGACTCC AACAAATTAT ATCAAGAGAC 14800 ACCAAAAAATA TTTGTAAAGA AAGGACTCC GAAGGTTGC CTACCCCAGA  [EXON 6: 14907  TTGAGGAATGT TAAGGCACT GAGGACTCAG GAAGTTGC CTACCCCAGA  [EXON 6: 14907  TTGAGCACCAT CCATCTACC CTGCGGCCC CTCCTCTC TTC TCCACCCAT CCATCTACC CTGCGGCCC CTCCTCCC CTCCTCTAC TCCCACCCAT CCATCTACC CTGCGGCCC CTCCTCCCC CTCCTCTCAC TCCCACCCAT CCATCTACC CTGCGGCCC CTCCTCTCC CTCCTCTAC TTCTTTGGCT TTTGCCTTTT ATCCCTCCT TTCATTGGTT TAATGTATCG 15100  CAACACCTGC TTTGTCTCAA GGCACCACAG TGCTGTTCCCCACCCACC CTCCTCTGAC 15100  CTACCACCAT CCATCTATCC CTGCGGCCC CTCTCTCCCC CTCCTCTCTC TTCTTTGGCT TTTGCCTTTT ATCCCTCCT TTCATTGGTT TAATGTATCG 15200  CAACACCTGC TTTGCCTTTT ATCCCTCCT TTCATTGGTT TAATGTATCG 15200  CTACCACACGG GGGGTGTG GGGGGTGAGG GAGGACATGG GTGGGTGCA 15300  TGGACAGTGT TGGAGAGGG TGAGGAGGTGT CCCCTCAGTT CATTACCGCTG GGGAGGGAGA GGGAGAGGG TGAGGAGGTGT CCCCTCAGTT CATTACCGCTG GGGACTCTGG GCAGAAGGTG GCCCCTGGATG CCCCTCCAGTT CATTACCGCTG GGGACTCTGG GCAGAAGGTG GCCCTGGATG GCTGGGGGAGA TGTCGAGCTG TGAGAGAGGTG TGAGGAGAGG TGAGGAGAGA TGTCGAGCTG TGAGAGCTG TGAGAGAGGTG GCCCCTCGAGTT CATTACCGCTG GGGACTCTGG GCAGAAGGTG GCCCTGGATG GCTGGGGGAGA TGTCGAGCTG TGAGAGGTGT TGAGAGAGGTG TGAGAGAGGTG TCATACCGCTG GGGACTCTGG GCAGAAGGTG GCCCTGGATG GCTGGGGAGAA TGTCGAGCTG TGAGAGAGGTG TCATACCGCTG GGGACTCTGG GCAGA						14200
TAGAGTTCCC ATCACTCCAC ACTGTCCAGT ATCTGCTAGT TCTACAGGGT GCTCTCTGGC TGCCCCAGTA ACATGGAAG TTTAAATTTTT CACATGCATG TTTAGACTCT TTAAATTTTT CACATGCATG TTTGACCCCG ACTCCCCGAA ACATGGTACT TTAAATTTTT CACATGCATG TTTGACCCCG ACTCCCCGAA AGCAGTACT TCTACAGCA AGGATCCTA AGGATCCTA AGGATCCTA AGGATTCTTA TCAGCAAAAC AGTGATGAAA CACACATCCC ATAACAGCTA AGGATTCTTA ACACCACTA AGGATTCTTA ACACCACTA AGGATTCTTA ATCCCAACAC ACTCCCAACAC CCTTATAAAT GAGGCATAAT GAGGCATAAT AATCCTCAAT CCTGAGAGGT GGCCGTCCC TGTGGTGATG AACTCGCAA AACAGATCCT AATCCTCAAT CCTGAGAGGT GGCCATGCCC TTTTCACAAT ACACCCGTA AACACCGA AACAGATCCT AACACCGA AACAACCGA AACAACCGA AACAACCGA AACAACCGA AACAACCGA TTCTCACACG CCTTTTCACAG ATCCCTGACTCC TTTTCACACT TTCTACACAG TTCTCACACG CCTTTTCACAT TTCTACACAG TTCTCACACG CCTTTTCACAT TTCTACACAG TTCTCACACAG ACACACTCT TTTTAGCTGT AACACACCTG TTAGAGAAAAACC TGGAGTCC ACCACCACC TCCCCAACGAC TCCCCCCCC TCCCCCCCC TCCCCCCCC TCCCCCCC						
## ATCTGCTAGT TCTACAGGGT GCTCTCTGCC TGCCCCAGTA ACATGTGTTT TTAAATTTTT CACATGCATG TTTGACCCCG ACTCCCGAA GTCAGGTACT 14400 GTAACTAGCA GTGTCATTTA AGAAAAAGCC CTTTAACCTC TCTTTGCCAA AGGATTCTTA TCAGCAAAAC AGTGATGAAA CACAATCCC ATACACAGCTA 14500 GCTGGCTACC TTCTCAAGCA CTTATTAAAT GAGCAATCC ATACACAGCTA 14500 GCTGGCTACC TTCTCAAGCA CTTATTAAAT GAGCAATCC ATACACAGCTA 14600 GGCTGGGGG TTAATGGCTT GCCTAGATTC ACACTGCTAG CCAAGGAATG AACTGGAATT TACACCCTGA CCTGACTGC TTTTCACATT TTCTACACAG 14700 CCTTTTCAAG ATCCCTGCCA ATTCTAAAAT TAAATGATTC TATGATTAAC TCTGTTTCAT TCTTCTGCAT CAGTTCCCAA AACAATTAT ATCAACAGAGA 14800 AGCAAAAATA TTTGTAAAGA AAGGATGTCC AACAATCTGT GTGGTTGTTT A TCTCTGTGTTC CTCCAATGGT AGGGCCTCTG TTCACCATG GTGGTTGTTT A TTCTTGGTTC CTCCAATGGT AGGGCCTCTG TTCACCATG CTACCCCAGA [EXON 6: 14907.] TTGAGAAATGT TAAGGGCACT GAGGACTCAG GAGGTTGTG CTACCCCAGA  GCCCATGCTC ACCTGCCCTC TCCCTCTCT TGCCCCACC CTCCTCTC 14900  GCCCATGCTC ACCTGCCCTC TCCCTCTCT TGCCCCACC CTCCTCTCACCCCACC CTCCCCCACC CTCCCCCACC CTCCCCCACC CTCCCCCCC CTCCCCCCC CTCCCCCCC CTCCCCCC						14300
TTAAATTTT CACATGCATG TTTGACCCCG ACTCCCGAA GTCAGGTACT GTAACTAGCA GTGTCATTA AGAAAAAGCC CTTTAACCTC TCTTTGCCAA AGGATTCTTA TCAGCAAAAA AGTGATAAAA CAACAATCCC ATAACAGCTA 14500 GCTGGCTACC TTCTCAAGCA CTTATTAAAT GAGGCATAAT GATTTTGCTT AATCCTCAAT CCTGAGGAGGT GGGCGATCCC TGTGGTGATG AGGAAACCGA 14600 GGCTTGGGGG TTAATGGCTT GCCTAGATTC ACACTGCTAG CCAAGGAATG AACTGGAATT TACACCCTGA CCCTGACTGC TTTTCACACT TTCTACACAG 14700 CCTTTCAAG ATCCCTGCA ATTCTAAAAT TAAATGATTC TATGATTAAC TGTGTTTCAT TCTTCTGCAT CAGTTCCCAA AACAAATCTGT GTGGTTGTT AGCAAAAATA TTTGTAAAGA AAGGATGTCC AACAATCTGT GTGGTTGTT A TTCTGTGTTC CTCCAATGGT AGGGCCTCTG TTCACCAGTG CCGTCTTTC TTTTAGCTGT AAGAAAAACC TGGAGTGCAC GAAGTTGTGC CTACCCAGA [EXON 6: 14907  TTGAGGAATGT TAAGGGCACT GAGGACTCAG GTGAGGAGAA GTGACCCGAGA [EXON 7: 15122  TCCACCCCAT CCACTCTCT TCCCTCTTCT TGCCCCCACC CTCCTCTGAC TTCTTTGGTC TTTGCCTGCA GGCACCACAG TGCTGTTGCC CTCCTCTGAC TCCACCCAT TTTGCTCTCA GGCACCACAG TGCTGTTGCC CTCCTCTTAC  CAACACCTGC TTTGTCTGCA GGCACCACAG TGCTGTTGCC CTCCTCTGAC TCCACCCAGT TTTGCCTTTT ATCCCTCCTC TTCATTGGTT TAATGTATCG TTCTTTGGTC TTTGCCTTTT ATCCCTCCTC TTCATTGGTT TAATGTATCG TTCTTTGGTC TTTGCCTTTT ATCCCTCCTC TTCATTGGTT TAATGTATCG TTCTTTTGGTC TTTGCCTTTT ATCCCTCCTC TTCATTGGTT TAATGTATCG TTCTTTTGGTC TTTGCCTTTT ATCCCTCCTC TTCATTGGTT TAATGTATCG TTCACAACGG TGGAAGTCCA AGCTCTACTC CATTGGTGGGGGGCTTT 15235]  GGGAGGGAGA GGGAGCTGG GGGGGTGAG GAGGACATGG GTGGGTGCGA TGGACATGTG TGGGGGGAG TGAGGAGATGG GTGGGTGCGA TGGACATGTG TGGGGGAGG TGAGGAGATGG GTGGGGGCGG GGGACTCTG GCCCTGGATG GCCCTGGATG CCCCTCAGTT CATACCGCTG GGGACTCTG GCAGAAGGTG GCCCTGGATG GCCCCTCAGTT CATACCGCTG GGGACTCTG GCAGAAGGTG GCCCTGGATG GCCCCCCCCCC						
GTAACTAGCA AGGATTCTTA TCAGCAAAAC AGGATTCTTA TCAGCAAAAC AGTGATGAAA CAACAATCCC ATAACAGCTA ATACCGCTAC TTCTCAAGCA CTTATTAAAAT AATCCTCAAT AATCCTCAAT CCTGAGAGGT GGCCGATCCC TGTGGGGG TTAATGGCTT ACCCCTGACTC ACCTGCAATC CCTTTTCAAG ACCACTCC ACCTGCAATC ACCTGCAATC ACCTGCAATC ACCTGCAATC ACCTGCAATC CCTTTTCAAG ACCCCTGA ACCCCTGA ACCACTGCAAT CCCTTTTCAAG ACCCCTGA ACCCCTGA ACCACTGCTA CCCTGACTC CCTTTTCAAG ACCCCTGA ATCCTCAAAT TACACCCCTGA ATCCTCAAAAT TACACCCTGA ATCCTAAAAT TACACCACTG ATCCTCAAATC TCTTCTGCAT ACCCTGCCA ATTCTAAAAT TACACACTGC TTTTGAAAAA AAGGATTCT AACACAATCTG TTTTAGCTGT AAGGAAAACC TGGAGTGCC TTTCACAGTG TGAGGAGAA TTTGAAAGA AAGGATTGTC TTTTAGCTGT AAGGAAAACC TGGAGTGCCC TTTCACCAGGT TGAGCAGAA TTACACCCCAGA TGAGAAAATC TTTTAGCTGT AAGGAAAACC TGGAGTGCCC TTTCACCAGGT TTTACCCACCAGA TTTTAGCTGT TAAGGGCACT TGAGGAGAAA GTGACCTGGT TTTACCCACCAGA TTTTACCCACCAC TCCCACCCAT TTTTACCCTCC TCCCACCCA						14400
AGGATTCTTA TCAGCAAAAC AGTGATGAAA CAACAATCCC ATAACAGCTA GCTGGCTACC TTCTCAAGCA CTTATTAAAT GAGGCATAAT GATTTTGCTT AATCCTCAAT CCTGAGAGGT GGGCGATCCC TGTGGTGATG AGGAAACCGA 14600 GGCTTGGGGG TAAATGGCTT GCCTAGATTC ACACTGCTAG CCAAGGAATG AACTGGAATT TACACCCTGA CCCTGACTCC TTTCACACAT TTCTACACAG 14700 CCTTTTCAAG ATCCCTGCCA ATTCTAAAAT TAAATGATTC TATGATTAAC TGTGTTTCAT TCTTCTGCAT CAGTTCCCAA AACAAATTAT ATCAAGAGAC 14800 AGCAAAAAATA TTTGTAAAGA AAGGATGTCC AACAATCTGT GTGGTTGTTT A TTCTGTGTTC CTCCAATGGT AGGGCCTCTG TTCACCAGT GTGGTTGTTT A TTTTAGCTGT AAGAAAAGCC TGGAGTGCC GAAGTTGTGC CTACCCCAGA [EXON 6: 14907  TTGAGAATGT TAAGGGCACT GAGGACTCAG GTGAGGAGA GTGACCTGGT 15000 GCCCATGCTC ACCTCTCT TGCCCTCTCT TGCCCCCAC CCTCCTCTGAC TCCCACCCAT CCATCTATCC CTGCGGCCC CCTCCTCTGAC TTCCTCTCTC TCCACCCAT TTTGTCTGCA GGCACCACAG TGCTGTTGCC CCTCCTCTGAC  [EXON 7: 15122  TTCTTTGGTC TTTGCCTTTT ATCCCTCTC TTCATTGGTT TAATGTATCG 15200 CTACCAACGG TGGAGGTCAA GGGGCTGAG GAGGACATGG GTGGGGGCTTT15235] GGGAGGGAGA GGGAGCTGGT GGGGGTGAG GAGGACATGG GTGGGTGCGA 15300 TGGACATGTG TGGAGGAGG TGAGGAGTGT CCCCTCAGTT CATACCCCTG GGGACTCTGG GCAGAAGGTG GCCCTGGATG GCTGGGGAGA TGTCCGAGCTG 15400						
GCTGGCTACC TTCTCAAGCA CTTATTAAAT GAGGCATAAT GATTTTGCTT AATCCTCAAT CCTGAGAGGT GGGCGATCCC TGTGGTGATG AGGAAACCGA 14600 GGCTTGGGGG TTAATGGCTT GCCTAGATTC ACACTGCTAG CCAAGGAATG AACTGGAATT TACACCCTGA CCCTGACTGC TTTTCACACT TTCTACACAG 14700 CCTTTTCAAG ATCCCTGCCA ATTCTAAAAT TAAATGATTC TATGATTAAC TGTGTTTCAT TCTTCTGCAT CAGTTCCCAA AACAAATTAT ATCAAGAGAC 14800 AGCAAAAATA TTTGTAAAGA AAGGATGTCC AACAATCTGT GTGGTTGTTT A  TTCTGTGTTC CTCCAATGGT AGGGCCTCTG TTCACCAGTG CCGTCTCTTC 14900 TTTTAGCTGT AAGAAAAGCC TGGAGGTGCAC GAAGTTGTGC CTACCCCAGA  [EXON 6: 14907  TTGAGAATGT TAAGGGCACT GAGGACTCAG GTGAGGAGAA GTGACCTGGT 15000  GCCCATGCTC ACCTGCCCTC TCCCTCTTCT TGCCCCCACC CGTCCATCCA TCCCACCCAT CCATCTATCC CTGCGGCCCC CCTCTGCCCG CTCCTCTGAC 15100  TT T  CAACACCTGC TTTGTCTGCA GGCACCACAG TGCTGTTGCC CCTGGTCATT  [EXON 7: 15122  TTCTTTTGGTC TTGGCAGTT ATCCCTCCTC TTCATTGGTT TAATGTATCG 15200  TGACAACGGG TGGAAGTCCA AGCTCTACTC CATTGGTGAG TGGGGGCTTT 15235] GGGAGGGAGA GGGAGCTGGT GGGGGTGAG GAGGACATGG GTGGGTGCA 15300 TGGACATGTG TGGAGGAGG TGAGGAGTG CCCCTCAGTT CATACCGCTG GGGACTCTGG GCAGAAGGTG GCCCTGGATG GCTGGGGAGA TGTCGAGCTG 15400				· · · · · · · · · · · · · · · · · ·		14500
AATCCTCAAT CCTGAGAGGT GGGCGATCCC TGTGGTGATG AGGAAACCGA GGCTTGGGGG TTAATGGCTT GCCTAGATTC ACACTGCTAG CCAAGGAATG AACTGGAATT TACACCCTGA CCCTGACTGC TTTTCACATT TTCTACACAG 14700 CCTTTTCAAG ATCCCTGCCA ATTCTAAAAT TAAATGATTC TATGATTAAC TGTGTTTCAT TCTTCTGCAC CAGTTCCCAA AACAAATTAT ATCAAGAGAC AACAAAATA TTTGTAAAGA AAGGATGTCC AACAATCTGT GTGGTTGTTT AAGAGAAAAATA TTTGTAAAGA AAGGATGTCC AACAATCTGT GTGGTTGTTT AAGAGAAAAATA TTTGTAAAGA AAGGATGTCC AACAATCTGT GTGGTTGTTT AAGAGAAAAACC TGGAGTGCAC GAAGTTGTGC CTACCCCAGA [EXON 6: 14907]  TTGAGGAATGT TAAGGGCACT GAGGACTCAG GTGAGGAGAA GTGACCTGGT 15000 G CCCATGCTC ACCTGCCCTC TCCCTCTTCT TGCCCCCACC CGTCCATCCA TCCCACCCAC CCATCCACCACC CCACCCAC						
GGCTTGGGGG TTAATGGCTT GCCTAGATTC ACACTGCTAG CCAAGGAATG AACTGGAATT TACACCCTGA CCCTGACTGC TTTTCACATT TTCTACACAG 14700 CCTTTTCAAG ATCCCTGCCA ATTCTAAAAT TAAATGATTC TATGATTAAC TGTGTTTCAT TCTTCTGCAT CAGTTCCCAA AACAAATTAT ATCAAGAGAC 14800 AGCAAAAATA TTTGTAAAGA AAGGATGTCC AACAATCTGT GTGGTTGTTT A TTCTTAGCTGT AAGAAAAGCC TGGAGTGCAC GAAGTTGTGC CTACCCCAGA [EXON 6: 14907.]  TTGAGGAATGT TAAGGGCACT GAGGACTCAG GTGAGGAGAA GTGACCTGGT 15000 G						14600
AACTGGAATT TACACCCTGA CCCTGACTGC TTTTCACATT TTCTACACAG 14700 CCTTTTCAAG ATCCCTGCCA ATTCTAAAAT TAAATGATTC TATGATTAAC TGTGTTTCAT TCTTCTGCAT CAGTTCCCAA AACAAATTAT ATCAAGAGAC 14800 AGCAAAAATA TTTGTAAAGA AAGGATGTCC AACAATCTGT GTGGTTGTTT A  TTCTGTGTTC CTCCAATGGT AGGGCCTCTG TTCACCAGTG CCGTCTCTTC 14900 TTTTAGCTGT AAGAAAAGCC TGGAGTGCAC GAAGTTGTGC CTACCCCAGA  [EXON 6: 14907  TTGAGAATGT TAAGGGCACT GAGGACTCAG GTGAGGAGAA GTGACCTGGT 15000 G 14980] GCCCATGCTC ACCTGCCCTC TCCCTCTTCT TGCCCCCACC CGTCCATCCA TCCCACCCAT CCATCTATCC CTGCGGCCCC CTCTCTGCCCG CTCCTCTGAC TT  [EXON 7: 15122  TTCTTTGGTC TTTGCCTTTT ATCCCTCCTC TTCATTGGTT TAATGTATCG 15200 TGACCAACGG TGGAAGGTCAA GGCTCTACCC CATTGGTGAGGGGGGTGAGG GGGAGGAGAA GGGGGGGGG				*		
CCTTTTCAAG ATCCCTGCCA ATTCTAAAAT TAAATGATTC TATGATTAAC TGTGTTTCAT TCTTCTGCAT CAGTTCCCAA AACAAATTAT ATCAAGAGAC AGCAAAAATA TTTGTAAAGA AAGGATGTCC AACAAATTAT ATCAAGAGAC AGCAAAAATA TTTGTAAAGA AAGGATGTCC AACAAATCTGT GTGGTTGTTT A  TTCTGTGTTC CTCCAATGGT AGGGCCTCTG TTCACCAGTG CCGTCTCTTC TTTTAGCTGT AAGAAAAGCC TGGAGGTGCAC GAAGTTGTGC CTACCCCAGA  [EXON 6: 14907  TTGAGAAATGT TAAGGGCACT GAGGACTCAG GTGAGGAGAA GTGACCTGGT 15000  C						14700
TGTGTTTCAT TCTTCTGCAT CAGTTCCCAA AACAAATTAT ATCAAGAGAC AGCAAAAATA TTTGTAAAGA AAGGATGTCC AACAATCTGT GTGGTTGTTT  A  TTCTGTGTTC CTCCAATGGT AGGGCCTCTG TTCACCAGTG CCGTCTCTTC 14900 TTTTAGCTGT AAGAAAAGCC TGGAGTGCAC GAAGTTGTGC CTACCCCAGA  [EXON 6: 14907  TTGAGAATGT TAAGGGCACT GAGGACTCAG GTGAGGAGAA GTGACCTGGT 15000  C14980]  GCCCATGCTC ACCTGCCCTC TCCCTCTTT TGCCCCCACC CGTCCATCCA TCCCACCCAT CCATCTATCC CTGCGGCCC CCTCTGCCCG CTCCTCTGAC TCCACCCAT CTTTGTCTGCA GGCACCACAG TGCTGTTCCCTCTTTT TT T  CAACACCTGC TTTGTCTGCA GGCACCACAG TGCTGTTCCCCCCCCCC						11,00
AGCAAAATA TTTGTAAAGA AAGGATGTCC AACAATCTGT GTGGTTGTTT  A  TTCTGTGTTC CTCCAATGGT AGGGCCTCTG TTCACCAGTG CCGTCTCTTC 14900  TTTTAGCTGT AAGAAAAGCC TGGAGTGCAC GAAGTTGTGC CTACCCCAGA  [EXON 6: 14907  TTGAGAATGT TAAGGGCACT GAGGACTCAG GTGAGGAGAA GTGACCTGGT 15000  GCCCATGCTC ACCTGCCCTC TCCCTCTTCT TGCCCCACC CGTCCATCCA  TCCCACCCAT CCATCTATCC CTGCGGCCCC CCTCTGCCCG CTCCTCTGAC  T T  CAACACCTGC TTTGTCTGCA GGCACCACAG TGCTGTTGCC CCTGGTCATT  [EXON 7: 15122  TTCTTTGGTC TTTGCCTTTT ATCCCTCCTC TTCATTGGTT TAATGTATCG  CTACCAACGG TGGAAGTCCA AGCTCTACTC CATTGGTGAG TGGGGGGCTTT 15235]  GGGAGGGAGA GGGAGCTGGT GGGGGTGAGG GAGGACATGG GTGGGTGCGA  TGGACATGTG TGGAGGGAGG TGAGGAGTGT CCCCTCAGTT CATACCGCTG  GGGACTCTGG GCAGAAGGTG GCCCTGGATG GCTGGGGAGA TGTCGAGCTG  T5400						14800
TTCTGTGTTC CTCCAATGGT AGGGCCTCTG TTCACCAGTG CCGTCTCTTC TTTTAGCTGT AAGAAAAGCC TGGAGTGCAC GAAGTTGTGC CTACCCAGA [EXON 6: 14907  TTGAGAATGT TAAGGGCACT GAGGACTCAG GTGAGGAGAA GTGACCTGGT 15000  GCCCATGCTC ACCTGCCCTC TCCCTCTTCT TGCCCCACC CGTCCATCCA TCCCACCCAT CCATCTATCC CTGCGGCCCC CCTCTGCCCG CTCCTCTGAC 15100  T T  CAACACCTGC TTTGTCTGCA GGCACCACAG TGCTGTTGCC CCTGGTCATT [EXON 7: 15122  TTCTTTGGTC TTTGCCTTTT ATCCCTCCTC TTCATTGGTT TAATGTATCG CTACCAACGG TGGAAGTCCA AGCTCTACTC CATTGGTGAG TGGGGGGCTTT 15235]  GGGAGGGAGA GGGAGCTGGT GGGGGTGAGG GAGGACATGG GTGGGTGCGA 15300  TGGACATGTG TGGAGGGAGG TGAGGAGTGT CCCCTCAGTT CATACCGCTG GGGACTCTGG GCAGAAGGTG GCCCTGGATG GCTGGGGAGCTG 15400						11000
TTCTGTGTTC CTCCAATGGT AGGGCCTCTG TTCACCAGTG CCGTCTCTTC TTTTAGCTGT AAGAAAAGCC TGGAGTGCAC GAAGTTGTGC CTACCCCAGA [EXON 6: 14907  TTGAGAATGT TAAGGGCACT GAGGACTCAG GTGAGGAGAA GTGACCTGGT 15000  GCCCATGCTC ACCTGCCCTC TCCCTCTTCT TGCCCCCACC CGTCCATCCA TCCCACCCAT CCATCTATCC CTGCGGCCCC CCTCTGCCC CTCCTCTGAC TCAACACCTGC TTTGTCTGCA GGCACCACAG TGCTGTTGCC CCTGGTCATT [EXON 7: 15122  TTCTTTGGTC TTTGCCTTTT ATCCCTCCTC TTCATTGGTT TAATGTATCG 15200  CTACCAACGG TGGAAGTCCA AGCTCTACTC CATTGGTGAG TGGGGGGCTTT 15235]  GGGAGGGAGA GGGAGCTGGT GGGGGGTGAGG GAGGACATGG GTGGGTGCGA 15300  TGGACATGTG TGGAGGAGG TGAGGAGTGT CCCCTCAGTT CATACCGCTG  GGGACTCTGG GCAGAAGGTG GCCCTGGATG GCTGGGGAGA TGTCGAGCTG 15400	HOCHHUUIIN	IIIOIMWOA		141014110101	0100110111	
[EXON 6: 14907  TTGAGAATGT TAAGGGCACT GAGGACTCAG GTGAGGAGAA GTGACCTGGT 15000  G14980]  GCCCATGCTC ACCTGCCCTC TCCCTCTTCT TGCCCCCACC CGTCCATCCA TCCCACCCAT CCATCTATCC CTGCGGCCCC CCTCTGCCG CTCCTCTGAC 15100  T T  CAACACCTGC TTTGTCTGCA GGCACCACAG TGCTGTTGCC CCTGGTCATT  [EXON 7: 15122  TTCTTTGGTC TTTGCCTTTT ATCCCTCCTC TTCATTGGTT TAATGTATCG 15200  CTACCAACGG TGGAAGTCCA AGCTCTACTC CATTGGTGAG TGGGGGCTTT 15235]  GGGAGGGAGA GGGAGCTGGT GGGGGTGAGG GAGGACATGG GTGGGTGCGA 15300  TGGACATGTG TGGAGGGAGG TGAGGAGTGT CCCCTCAGTT CATACCGCTG  GGGACTCTGG GCAGAAGGTG GCCCTGGATG GCTGGGGAGA TGTCGAGCTG 15400	TTCTGTGTTC	CTCCAATGGT	AGGGCCTCTG	TTCACCAGTG	CCGTCTCTTC	14900
TTGAGAATGT TAAGGGCACT GAGGACTCAG GTGAGGAGAA GTGACCTGGT  G 14980]  GCCCATGCTC ACCTGCCCTC TCCCTCTTCT TGCCCCCACC CGTCCATCCA TCCCACCCAT CCATCTATCC CTGCGGCCCC CCTCTGCCG CTCCTCTGAC  T T  CAACACCTGC TTTGTCTGCA GGCACCACAG TGCTGTTGCC CCTGGTCATT  [EXON 7: 15122  TTCTTTGGTC TTTGCCTTTT ATCCCTCCTC TTCATTGGTT TAATGTATCG CTACCAACGG TGGAAGTCCA AGCTCTACTC CATTGGTGAG TGGGGGCTTT 15235]  GGGAGGGAGA GGGAGCTGGT GGGGGTGAGG GAGGACATGG GTGGGTGCGA TGGACATGTG TGGAGGAGG TGAGGAGTGT CCCCTCAGTT CATACCGCTG GGGACTCTGG GCAGAAGGTG GCCCTGGATG GCTGGGGAGA TGTCGAGCTG 15400	TTTTAGCTGT	AAGAAAAGCC	TGGAGTGCAC	GAAGTTGTGC	CTACCCCAGA	
GCCCATGCTC ACCTGCCCTC TCCCTCTTCT TGCCCCCACC CGTCCATCCA TCCCACCCAT CCATCTATCC CTGCGGCCCC CCTCTGCCG CTCCTCTGAC T T  CAACACCTGC TTTGTCTGCA GGCACCACAG TGCTGTTGCC CCTGGTCATT  [EXON 7: 15122  TTCTTTGGTC TTTGCCTTTT ATCCCTCCTC TTCATTGGTT TAATGTATCG CTACCAACGG TGGAAGTCCA AGCTCTACTC CATTGGTGAG TGGGGGCTTT 15235]  GGGAGGGAGA GGGAGCTGGT GGGGGTGAGG GAGGACATGG GTGGGTGCGA TGGACATGTG TGGAGGAGG TGAGGAGTGT CCCCTCAGTT CATACCGCTG GGGACTCTGG GCAGAAGGTG GCCCTGGATG GCTGGGGAGA TGTCGAGCTG 15400	[EXON	I 6: 14907				
GCCCATGCTC ACCTGCCCTC TCCCTCTTCT TGCCCCCACC CGTCCATCCA TCCCACCCAT CCATCTATCC CTGCGGCCCC CCTCTGCCG CTCCTCTGAC T T  CAACACCTGC TTTGTCTGCA GGCACCACAG TGCTGTTGCC CCTGGTCATT  [EXON 7: 15122  TTCTTTGGTC TTTGCCTTTT ATCCCTCCTC TTCATTGGTT TAATGTATCG CTACCAACGG TGGAAGTCCA AGCTCTACTC CATTGGTGAG TGGGGGCTTT 15235]  GGGAGGGAGA GGGAGCTGGT GGGGGTGAGG GAGGACATGG GTGGGTGCGA TGGACATGTG TGGAGGAGG TGAGGAGTGT CCCCTCAGTT CATACCGCTG GGGACTCTGG GCAGAAGGTG GCCCTGGATG GCTGGGGAGA TGTCGAGCTG 15400	-			GTGAGGAGAA	GTGACCTGGT	15000
GCCCATGCTC ACCTGCCCTC TCCCTCTTCT TGCCCCCACC CGTCCATCCA TCCCACCCAT CCATCTATCC CTGCGGCCCC CCTCTGCCG CTCCTCTGAC T T  CAACACCTGC TTTGTCTGCA GGCACCACAG TGCTGTTGCC CCTGGTCATT  [EXON 7: 15122  TTCTTTGGTC TTTGCCTTTT ATCCCTCCTC TTCATTGGTT TAATGTATCG CTACCAACGG TGGAAGTCCA AGCTCTACTC CATTGGTGAG TGGGGGCTTT 15235]  GGGAGGGAGA GGGAGCTGGT GGGGGTGAGG GAGGACATGG GTGGGTGCGA TGGACATGTG TGGAGGAGG TGAGGAGTGT CCCCTCAGTT CATACCGCTG GGGACTCTGG GCAGAAGGTG GCCCTGGATG GCTGGGGAGA TGTCGAGCTG 15400				G		
TCCCACCCAT CCATCTATCC CTGCGGCCCC CCTCTGCCCG CTCCTCTGAC  T T CAACACCTGC TTTGTCTGCA GGCACCACAG TGCTGTTGCC CCTGGTCATT  [EXON 7: 15122  TTCTTTGGTC TTTGCCTTTT ATCCCTCCTC TTCATTGGTT TAATGTATCG CTACCAACGG TGGAAGTCCA AGCTCTACTC CATTGGTGAG TGGGGGCTTT 15235]  GGGAGGGAGA GGGAGCTGGT GGGGGTGAGG GAGGACATGG GTGGGTGCGA TGGACATGTG TGGAGGAGG TGAGGAGTGT CCCCTCAGTT CATACCGCTG GGGACTCTGG GCAGAAGGTG GCCCTGGATG GCTGGGGAGA TGTCGAGCTG 15400			_			
T T  CAACACCTGC TTTGTCTGCA GGCACCACAG TGCTGTTGCC CCTGGTCATT  [EXON 7: 15122  TTCTTTGGTC TTTGCCTTTT ATCCCTCCTC TTCATTGGTT TAATGTATCG CTACCAACGG TGGAAGTCCA AGCTCTACTC CATTGGTGAG TGGGGGCTTT 15235]  GGGAGGGAGA GGGAGCTGGT GGGGGTGAGG GAGGACATGG GTGGGTGCGA TGGACATGTG TGGAGGAGG TGAGGAGTGT CCCCTCAGTT CATACCGCTG GGGACTCTGG GCAGAAGGTG GCCCTGGATG GCTGGGGAGA TGTCGAGCTG 15400						
[EXON 7: 15122  TTCTTTGGTC TTTGCCTTTT ATCCCTCCTC TTCATTGGTT TAATGTATCG CTACCAACGG TGGAAGTCCA AGCTCTACTC CATTGGTGAG TGGGGGCTTT 15235]  GGGAGGGAGA GGGAGCTGGT GGGGGTGAGG GAGGACATGG GTGGGTGCGA TGGACATGTG TGGAGGGAGG TGAGGAGTGT CCCCTCAGTT CATACCGCTG GGGACTCTGG GCAGAAGGTG GCCCTGGATG GCTGGGGAGA TGTCGAGCTG 15400	TCCCACCCAT	CCATCTATCC	CTGCGGCCCC			15100
TTCTTTGGTC TTTGCCTTTT ATCCCTCCTC TTCATTGGTT TAATGTATCG CTACCAACGG TGGAAGTCCA AGCTCTACTC CATTGGTGAG TGGGGGCTTT15235] GGGAGGAGA GGGAGCTGGT GGGGGTGAGG GAGGACATGG GTGGGTGCGA TGGACATGTG TGGAGGAGG TGAGGAGTGT CCCCTCAGTT CATACCGCTG GGGACTCTGG GCAGAAGGTG GCCCTGGATG GCTGGGGAGA TGTCGAGCTG 15400			GGCACCACAG	TGCTGTTGCC	CCTGGTCATT	
CTACCAACGG TGGAAGTCCA AGCTCTACTC CATTGGTGAG TGGGGGCTTT15235]  GGGAGGGAGA GGGAGCTGGT GGGGGTGAGG GAGGACATGG GTGGGTGCGA TGGACATGTG TGGAGGAGG TGAGGAGTGT CCCCTCAGTT CATACCGCTG GGGACTCTGG GCAGAAGGTG GCCCTGGATG GCTGGGGAGA TGTCGAGCTG 15400	-		ATCCCTCCTC	TTCATTGGTT	TAATGTATCG	15200
15235]  GGGAGGAGA GGGAGCTGGT GGGGGTGAGG GAGGACATGG GTGGGTGCGA 15300  TGGACATGTG TGGAGGAGG TGAGGAGTGT CCCCTCAGTT CATACCGCTG  GGGACTCTGG GCAGAAGGTG GCCCTGGATG GCTGGGGAGA TGTCGAGCTG 15400						10200
TGGACATGTG TGGAGGAGG TGAGGAGTGT CCCCTCAGTT CATACCGCTG GGGACTCTGG GCAGAAGGTG GCCCTGGATG GCTGGGGAGA TGTCGAGCTG 15400		152	35]			
GGGACTCTGG GCAGAAGGTG GCCCTGGATG GCTGGGGAGA TGTCGAGCTG 15400						15300
CATCAGTAGC TCTCTCGTCC CTGGGGCCCAC ATAGGCCCTG AGGCATGTCA						15400
	CATCAGTAGC	TCTCTCGTCC	CTGGGGCCAC	ATAGGCCCTG	AGGCATGTCA	

FIGURE 1F

	CCACTGCCAG				15500
AAGTGAAATT	TATGATGCTT		TCCTCAGTTT	GTGGGAAATC	
		С			
	1 8: 15538 <sub></sub>				
GACACCTGAA	AAAGAGGTGA		GAGAGTTACT	CCCAAATGTC	15600
	155	-		•	
	CCTTATAATT				
	GGGGGCTCGC				15700
	GGGCCGGGGC				
CCTTCTCTCT	TTCAGGGGGA	GCTTGAAGGA	ACTACTACTA	AGCCCCTGGC	15800
[EXON	9: 15766				
CCCAAACCCA	AGCTTCAGTC	CCACTCCAGG	CTTCACCCCC	ACCCTGGGCT	
TCAGTCCCGT	GCCCAGTTCC	ACCTTCACCT	CCAGCTCCAC	CTATACCCCC	15900
GGTGACTGTC	CCAACTTTGC	GGCTCCCCGC	AGAGAGGTGG	CACCACCCTA	
			A		
TCAGGGGGCT	GACCCCATCC	TTGCGACAGC	CCTCGCCTCC	GACCCCATCC	16000
CCAACCCCCT	TCAGAAGTGG	GAGGACAGCG	CCCACAAGCC	ACAGAGCCTA	
GACAGTGAGT	TTCTCCCGCG	GCTGGAGACG	AGGAGGCTGG	GGGAGGCCG	16100
	160	54]			
GGGGAGCGCG	GGAGGCGCTC	CCAGAGGGGA	CCACGAGAGG	CGGAGGGCGC	
GGGATGCGGG	GCGGGGCCTG	GGGTTGCCGC	CCGAGGCTCA	CCGGCCCGCG	16200
	A				
TCCCCGCAGC	TGATGACCCC	GCGACGCTGT	ACGCCGTGGT	GGAGAACGTG	
	10: 16210.				
-	GCTGGAAGGA		CGCCTAGGGC	TGAGCGACCA	16300
	CGGCTGGAGC		GCGCTGCCTG		
	GCTGGCGACC		GCACGCCGCG		16400
	TGCTGGGACG	-	GACATGGACC		20100
	ATCGAGGAGG				16500
	TCTCAGATGA				10000
CGCCCAGICI	165		CIGCGGGCAG	CICIAAGGAC	
CCTCCTCCCA	GATCGCCTTC	=	TTTTTCTGGA	N N C C N C C C C TT	16600
	CAAGCAGGAG		CCTACTTGGT		10000
			GCGCCGCCGA		16700
	AGCTTTTCTC			GAGTGGGTGG	10/00
	GAGAGAGGTG				16800
	TGAGGGACGC			GGTGTCCTCA	16800
	TGCTCGGGGG		GTCCCTGAGC		1.6000
	AGTTTTTTT		TGTTTTGTTT		16900
	TACACTAATA				17000
	TAGCAAGCTG				17000
	TTCAGCTGGA				
	AGCTCTGCTC				17100
	GGCCCAGATC				
	TAGCCCATCA				17200
GTTCTTGTTC	TGAACACCGT	CATCTGTTGC	CCAAGCTGGA	GTGCGCTCAC	
	AACCCTTGGG				17300
ACACAGGCAC	ACCACCACAC	CTGGGTAATT	TTTAAAATTT	TTTTTTGTAA	
	TCCCTATATT				17400
AGGGATCCTC	CCACCTCAGC	CTCCCAAAGT	GCTGGGATTA	CAGGCAGCCA	
TGCCCAGCCA	GGGCAGTCAT	TTTTATGCAC	AACTTTCTGT	GGGGCTCAGG	17500
TGCACCTATG	ATACATAAAT	TTACAGTTCT	TGATCCCCAA	ACAGAGCAGG	
AGGCAGGGTG	CCTGGGCCAG	GCTTCCTTTG	GGAAATGTGG	TCCTTGAGGT	17600
AGAGTCACAG	ATGCCGGAGG	GTGACCAGCA	CTACTGGGGA	GAGATCTCCT	
	TGCATGCCAA				17700
	GGGGGTGTTA				
	TGAGGCGGAG				17800
				_	

FIGURE 1G

TTTGCCCTCT	TTCTATACTA	CACCCCACCA	CCATACAGAC	ATCCCCGTCT	
GCCCCCTCCC	AGGCCAGCTT	CCCTCCAGCA	CTTACGATGC	GGACAGAGGG	17900
GTGTCCAGCT	GAATGATGTG	GGGCCCCCGC	ATCCTCTGCA	GCTGGGCCCG	
AGTCAGCTTC	CGTGGCCTGC	TGTCCCGGGG	CTCCTCGGCC	CCCTCAATCC	18000
TTTGGCTGGC	CAGCTCCTCC	CGGATCTCTC	TGAGCATGTC	CTCAGCCCGC	
ATTGGGCGCA	GGGATGTGTG	GCCAGCTTTC	AGGAACAGAG	GCCCCTCTTC	18100
TTCCTCCTCC	CCTGAGGACT	CCCAGGGGCT	TTCCCCGGCA	GAGTCAGCAT	
GGGTTGGGGA		TGGCCCCGAA	GCCGGGCCCT	GTGGAGTGTT	18200
TCCACCACCA	CATTCCCTCG	CTCGGAGGCC	CCATCTTCTT	CCTCAGACCA	
GGTTGGTGGG	TCTTCCTGGG	GAAGACTGCC	TCCTTTTAGG	ATTCCTTCCG	18300
GCAGTTCGGG	GGCGCTTCGG	CGTTGAGGAG	CTTGGGGGTC	GGGAGGGTGG	
GGACGCAGAG	GGATGTCCCG	GAGTTCCAGG	GTGGAGAAGG	TGAGGCGAGG	18400
GTCCCGCCGA	AGGGCTCTTT	GGCGTAGACG	GCTCAGTGGG	GAGCGGGACC	
CCGTGGGGGT	GCCTGGGATC	AAAGTGCCGT	AGCCAGAGTC	TGAGGTATCA	18500
TCTGGCACAA	GGGGAGCATC	TTCATCTGTG	TCTTCTGTCA	CCACCAGGTG	
GGGGATAATG	GTCGAGAACT	CAGGAGTCCT	ACAGTTAATG	GCAAAGAGTC	18600
AGATGCGTAG	GGGTCAAGTT	CAAGTCCAGG	GAGTTTCCCT	TGATCACTAC	
ATCCAGAAAT	GGCCCCTCCT	CCAAACTTAT	TTTGGTATCA	TCTTTCCATC	18700
GCACTGTGAT	TGTTTTTCTC	ATCTGGCTGG	CTAGATTTTA	AGCTCCTAAG	
AGAGTACGGG	CTGCCTCTAT	ACTGTTTTAT	CCATAGCATC	TGGTCCAGGA	18800
TCTTGTATCG	AGTGGGTAGT	CAGGTTTTTG	CTGAGTGGTT	CCTGAACTTA	
CCTGATATTA	TCCTCAATGA	TCGATTCTTC	TTTTCTCCTT	AAGCTGCTGC	18900
CAAGCAGTGG	TGCTATCCTA	GACGAACCTC	ACACTCCCCG	GGGATTTGGC	
AGCTCTAATA	TTCTGCAGAT	CCACACCTAC	CTTCACTCTC	GAGCTTGCTC	19000
CTCTCACAGT	GCTCCTGTGT	GACTCTAGGC	AGGCTAACTC	TGTAGGCTGT	
CTGTGCCCTA	TCCCCCACCT	CCAACCCAAC	ACGGCTGGTA	CCAACCTTCC	19100
GACCCAACAC	AGCTGGTACC	GAGCTTCCCT	ACCCTGCCCT	ACGCCTGCGT	
TCCTCTATCT	ATTCCCAATT	CCACCAAAAA	TGTGCAGTAA	TGCCATTTCT	19200
CAGCCTTATG	GCTCCCTCCT	CCTGCTCGGG	GAGACCTTGT	AGTCCGTGTG	
AGCCTTACCT	CCCCTCTGCG	CTGCTCTGAG	AGCCCTCCAG	GGAAGGCGTG	19300
GAGGGCCTGG	TGCTGGGGGA	CTCCCTGTCC	TGGTCCCGAT	AGAGGGTCAG	
GAGCTCCCTC	TTCTGTTGAA	CATACTCCTC	TGCCTTCAGC	TTCTGTAGGG	19400
CGGCCTGGGA	CAGGACACTT	TCGTTATTAA	GAGCTCTCAT	TTATTGAGCA	
CTTGCTGTTT	GCCAGGCACC	CTGCTAAGTG	CGTTACATAT	ATTACCTTAT	19500
TTTATTTAT	TATTATTATT	ATTTTTTGAG	ACTGAGTCTT	GCTCTGTCAC	
CCAGACTAGA	GTGCAGTGCC	ACAATCTTGG	CTCACTGCAA	CCTCCACCTC	19600
CTGGGTTCAA	GCGATTCTCC	TGCCTCAGCC	TCCTTAGTAG	CTGGGATTAC	
AGGCGCCCGC	CAACGTGCCC	GGCTAATTTT	TGTATTTTTA	GTAGAGATGG	19700
GGTTTCACCA	TCTTGGCCAG	GCTGGTCTCA	AACTCCTGAC	CTTGTGATCC	
			TAGACGTGTA		19800
			CAAAAACCCC		
			GGAGACTCTA		19900
			AAAGTGGGGT		
			TGGGGGTGAG		20000
			TTCCTGCTTC		
			CCTTCAGGAA		20100
· ·			AATTGGTACT		
			CTCTGCCCTG		20200
			GGCTTTGTCC		
			CCTAGAAGGC		20300
	•		TCAGCGATTT		
			AAAATTTTCA		20400
			CCCTGTGGTG		2
			CTAGACCTAG		20500
TGACTTGCTC					20519
	11100100011				

## POLYMORPHISMS IN THE CODING SEQUENCE OF TNFRSF1A

ATGGGCCTCT	CCACCGTGCC	TGACCTGCTG	CTGCCCCAGG	TGCTCCTGGA	
GCTGTTGGTG	GGAATATACC	CCTCAGGGGT	TATTGGACTG	GTCCCTCACC	100
TAGGGGACAG	GGAGAAGAGA	GATAGTGTGT	GTCCCCAAGG	AAAATATATC	
CACCCTCAAA	ATAATTCGAT	TTGCTGTACC	AAGTGCCACA	AAGGAACCTA	200
CTTGTACAAT	GACTGTCCAG	GCCCGGGGCA	GGATACGGAC	TGCAGGGAGT	
		${f T}$			
GTGAGAGCGG	CTCCTTCACC	GCTTCAGAAA	ACCACCTCAG	ACACTGCCTC	300
AGCTGCTCCA	AATGCCGAAA	GGAAATGGGT	CAGGTGGAGA	TCTCTTCTTG	
CACAGTGGAC	CGGGACACCG	TGTGTGGCTG	CAGGAAGAAC	CAGTACCGGC	400
	A				
ATTATTGGAG	TGAAAACCTT	TTCCAGTGCT	TCAATTGCAG	CCTCTGCCTC	
С					
AATGGGACCG	TGCACCTCTC	CTGCCAGGAG	AAACAGAACA	CCGTGTGCAC	500
CTGCCATGCA	GGTTTCTTTC	TAAGAGAAAA	CGAGTGTGTC	TCCTGTAGTA	
ACTGTAAGAA	AAGCCTGGAG	TGCACGAAGT	TGTGCCTACC	CCAGATTGAG	600
AATGTTAAGG	GCACTGAGGA	CTCAGGCACC	ACAGTGCTGT	TGCCCCTGGT	
CATTTTCTTT	GGTCTTTGCC	TTTTATCCCT	CCTCTTCATT	GGTTTAATGT	700
ATCGCTACCA	ACGGTGGAAG	TCCAAGCTCT	ACTCCATTGT	TTGTGGGAAA	
TCGACACCTG	AAAAAGAGGG	GGAGCTTGAA	GGAACTACTA	CTAAGCCCCT	800
GGCCCCAAAC	CCAAGCTTCA	GTCCCACTCC	AGGCTTCACC	CCCACCCTGG	
GCTTCAGTCC	CGTGCCCAGT	TCCACCTTCA	CCTCCAGCTC	CACCTATACC	900
CCCGGTGACT	GTCCCAACTT	TGCGGCTCCC	CGCAGAGAGG	TGGCACCACC	
			A		
CTATCAGGGG	GCTGACCCCA	TCCTTGCGAC	AGCCCTCGCC	TCCGACCCCA	1000
TCCCCAACCC	CCTTCAGAAG	TGGGAGGACA	GCGCCCACAA	GCCACAGAGC	
CTAGACACTG	ATGACCCCGC		GCCGTGGTGG		1100
CCCGTTGCGC	TGGAAGGAAT	TCGTGCGGCG	CCTAGGGCTG	AGCGACCACG	
AGATCGATCG	GCTGGAGCTG	CAGAACGGGC	GCTGCCTGCG	CGAGGCGCAA	1200
TACAGCATGC	TGGCGACCTG		ACGCCGCGGC		
GCTGGAGCTG	CTGGGACGCG	TGCTCCGCGA	CATGGACCTG	CTGGGCTGCC	1300
TGGAGGACAT	CGAGGAGGCG	CTTTGCGGCC	CCGCCGCCCT	CCCGCCCGCG	
CCCAGTCTTC	TCAGATGA				1368

## ISOFORMS OF THE TNFRSF1A PROTEIN

MGLSTVPDLL	LPQVLLELLV	GIYPSGVIGL	VPHLGDREKR	DSVCPQGKYI	
HPQNNSICCT	KCHKGTYLYN	DCPGPGQDTD	CRECESGSFT	ASENHLRHCL	100
		L			
SCSKCRKEMG	QVEISSCTVD	RDTVCGCRKN	QYRHYWSENL	FQCFNCSLCL	
		Q .	H		
NGTVHLSCQE	KQNTVCTCHA	GFFLRENECV	SCSNCKKSLE	CTKLCLPQIE	200
NVKGTEDSGT	TVLLPLVIFF	GLCLLSLLFI	GLMYRYQRWK	SKLYSIVCGK	
STPEKEGELE	GTTTKPLAPN	PSFSPTPGFT	PTLGFSPVPS	STFTSSSTYT	300
PGDCPNFAAP	RREVAPPYQG	ADPILATALA	SDPIPNPLQK	WEDSAHKPQS	
	K				
LDTDDPATLY	AVVENVPPLR	WKEFVRRLGL	SDHEIDRLEL	QNGRCLREAQ	400
YSMLATWRRR	TPRREATLEL	LGRVLRDMDL	LGCLEDIEEA	LCGPAALPPA	
PSLLR					455